

| Accession IPI / SwissProt | SwissProt | Accession UniprotKB | Symbol (Gene name) | Name | Molecular function | Biological process | Found in | | | Mascot score | No. of peptides | Sequence coverage [%] |
|---------------------------|--------------|---------------------|--------------------|-------------------------------------------------------------|----------------------------------------------|------------------------------------------------------------------------------|-----------------------|--------------------|----------------------|--------------|-----------------|-----------------------|
| | | | | | | | pulp [Pääkkönen 2005] | dentin [Jágr 2012] | plasma [Schenk 2008] | | | |
| IPI00384697 | ALBU_HUMAN | P02768 | ALB | Serum albumin | Transporter activity | Transport | yes | yes | yes | 9917 | 116 | 87 |
| IPI00418471 | VIME_HUMAN | P08670 | VIM | Vimentin | Structural constituent of cytoskeleton | Cell growth and/or maintenance | yes | yes | yes | 3904 | 64 | 91 |
| IPI00297646 | CO1A1_HUMAN | P02452 | COL1A1 | Collagen alpha-1(I) chain | Extracellular matrix structural constituent | Cell growth and/or maintenance | yes | yes | yes | 2873 | 60 | 49 |
| IPI00304962 | CO1A2_HUMAN | P08123 | COL1A2 | Collagen alpha-2(I) chain | Extracellular matrix structural constituent | Cell growth and/or maintenance | yes | yes | yes | 2313 | 58 | 47 |
| IPI00220216 | TENA_HUMAN | P24821 | TNC | Tenascin | Cell adhesion molecule activity | Cell communication; Signal transduction | no | yes | yes | 2340 | 56 | 35 |
| IPI00022463 | TRFE_HUMAN | P02787 | TF | Serotransferrin | Transporter activity | Transport | yes | yes | yes | 2478 | 48 | 65 |
| IPI00220327 | K2C1_HUMAN | P04264 | KRT1 | Keratin, type II cytoskeletal 1 | Structural molecule activity | Cell growth and/or maintenance | no | yes | yes | 2602 | 46 | 60 |
| IPI00021439 | ACTB_HUMAN | P60709 | ACTB | Actin, cytoplasmic 1 | Structural constituent of cytoskeleton | Cell growth and/or maintenance | yes | yes | yes | 2305 | 40 | 71 |
| IPI00009865 | K1C10_HUMAN | P13645 | KRT10 | Keratin, type I cytoskeletal 10 | Structural molecule activity | Cell growth and/or maintenance | no | yes | yes | 2259 | 39 | 50 |
| IPI00553177 | A1AT_HUMAN | P01009 | SERPINA1 | Alpha-1-antitrypsin | Protease inhibitor activity | Protein metabolism | yes | yes | yes | 1543 | 34 | 70 |
| IPI00465248 | ENOA_HUMAN | P06733 | ENO1 | Alpha-enolase | Catalytic activity | Metabolism; Energy pathways | no | yes | yes | 1456 | 33 | 74 |
| IPI00455315 | ANXA2_HUMAN | P07355 | ANXA2 | Annexin A2 | Calcium ion binding | Cell communication; Signal transduction | yes | yes | no | 1755 | 31 | 76 |
| IPI00169383 | PGK1_HUMAN | P00558 | PGK1 | Phosphoglycerate kinase 1 | Catalytic activity | Metabolism; Energy pathways | yes | no | yes | 1470 | 31 | 74 |
| IPI00219018 | G3P_HUMAN | P04406 | GAPDH | Glyceraldehyde-3-phosphate dehydrogenase | Catalytic activity | Metabolism; Energy pathways | yes | yes | yes | 1859 | 30 | 56 |
| IPI00007752 | TBB4B_HUMAN | P68371 | TUBB4B | Tubulin beta-4B chain | Structural constituent of cytoskeleton | Cell growth and/or maintenance | no | no | yes | 1526 | 30 | 60 |
| IPI00019359 | K1C9_HUMAN | P35527 | KRT9 | Keratin, type I cytoskeletal 9 | Structural molecule activity | Cell growth and/or maintenance | no | yes | yes | 1402 | 30 | 48 |
| IPI00013933 | DESP_HUMAN | P15924 | DSP | Desmoplakin | Structural constituent of cytoskeleton | Cell growth and/or maintenance | no | yes | yes | 1193 | 30 | 15 |
| IPI00783987 | CO3_HUMAN | P01024 | C3 | Complement C3 | Complement activity | Immune response | yes | yes | yes | 1120 | 29 | 24 |
| IPI00654755 | HBB_HUMAN | P68871 | HBB | Hemoglobin subunit beta | Transporter activity | Transport | yes | yes | yes | 1989 | 28 | 99 |
| IPI00300725 | K2C6A_HUMAN | P02538 | KRT6A | Keratin, type II cytoskeletal 6A | Structural molecule activity | Cell growth and/or maintenance | no | yes | yes | 1740 | 28 | 46 |
| IPI00216135 | TPM1_HUMAN | P09493 | TPM1 | Tropomyosin alpha-1 chain | Cytoskeletal protein binding | Cell growth and/or maintenance | yes | yes | yes | 1434 | 28 | 55 |
| IPI00479186 | KPYM_HUMAN | P14618 | PKM2 | Pyruvate kinase isozymes M1/M2 | Kinase activity | Energy pathways; Metabolism | no | yes | yes | 1211 | 28 | 64 |
| IPI00217963 | K1C16_HUMAN | P08779 | KRT16 | Keratin, type I cytoskeletal 16 | Structural constituent of cytoskeleton | Cell growth and/or maintenance | no | yes | yes | 1748 | 26 | 57 |
| IPI00021841 | APOA1_HUMAN | P02647 | APOA1 | Apolipoprotein A-I | Transporter activity | Transport | yes | yes | yes | 1368 | 26 | 71 |
| IPI00303476 | ATPB_HUMAN | P06576 | ATP5B | ATP synthase subunit beta, mitochondrial | Transporter activity | Metabolism; Energy pathways | yes | yes | no | 1003 | 26 | 54 |
| IPI00555812 | VTDB_HUMAN | P02774 | GC | Vitamin D-binding protein | Transporter activity | Transport | no | yes | yes | 1223 | 25 | 60 |
| IPI00021263 | 1433Z_HUMAN | P63104 | YWHAZ | 14-3-3 protein zeta/delta | Receptor signaling complex scaffold activity | Regulation of cell cycle | yes | yes | yes | 1193 | 25 | 65 |
| IPI00930688 | TBA1B_HUMAN | P68363 | TUBA1B | Tubulin alpha-1B chain | Structural constituent of cytoskeleton | Cell growth and/or maintenance | no | yes | no | 1276 | 24 | 60 |
| IPI00217966 | LDHA_HUMAN | P00338 | LDHA | L-lactate dehydrogenase A chain | Catalytic activity | Metabolism; Energy pathways | yes | yes | yes | 1154 | 24 | 63 |
| IPI00018219 | BGH3_HUMAN | Q15582 | TGFB1 | Transforming growth factor-beta-induced protein ig-h3 | Receptor binding | Cell communication; Signal transduction | yes | yes | yes | 1041 | 24 | 57 |
| IPI00329801 | ANXA5_HUMAN | P08758 | ANXA5 | Annexin A5 | Calcium ion binding | Cell communication; Signal transduction | yes | yes | no | 1173 | 23 | 75 |
| IPI00032179 | ANT3_HUMAN | P01008 | SERPINC1 | Antithrombin-III | Protease inhibitor activity | Protein metabolism | no | yes | yes | 982 | 23 | 45 |
| IPI00021304 | K22E_HUMAN | P35908 | KRT2 | Keratin, type II cytoskeletal 2 epidermal | Cytoskeletal protein binding | Cell growth and/or maintenance | no | yes | yes | 1734 | 22 | 59 |
| IPI00000816 | 1433E_HUMAN | P62258 | YWHAE | 14-3-3 protein epsilon | Receptor signaling complex scaffold activity | Cell communication; Signal transduction | yes | yes | yes | 1125 | 22 | 73 |
| IPI00021033 | CO3A1_HUMAN | P02461 | COL3A1 | Collagen alpha-1(III) chain | Extracellular matrix structural constituent | Cell growth and/or maintenance | no | yes | no | 1017 | 22 | 26 |
| IPI00465439 | ALDOA_HUMAN | P04075 | ALDOA | Fructose-bisphosphate aldolase A | Lyase activity | Metabolism; Energy pathways | yes | yes | yes | 1002 | 22 | 61 |
| IPI00010154 | GDIA_HUMAN | P31150 | GD1I | Rab GDP dissociation inhibitor alpha | GTPase activator activity | Cell communication; Signal transduction | yes | no | yes | 965 | 21 | 55 |
| IPI00291136 | CO6A1_HUMAN | P12109 | COL6A1 | Collagen alpha-1(VI) chain | Extracellular matrix structural constituent | Cell growth and/or maintenance | no | no | yes | 828 | 20 | 32 |
| IPI00333541 | FLNA_HUMAN | P21333 | FLNA | Filamin-A | Cytoskeletal anchoring activity | Cell growth and/or maintenance | no | no | yes | 760 | 20 | 15 |
| IPI00009867 | K2C5_HUMAN | P13647 | KRT5 | Keratin, type II cytoskeletal 5 | Structural molecule activity | Cell growth and/or maintenance | no | yes | yes | 1667 | 19 | 46 |
| IPI00384444 | K1C14_HUMAN | P02533 | KRT14 | Keratin, type I cytoskeletal 14 | Structural constituent of cytoskeleton | Cell growth and/or maintenance | no | yes | yes | 1656 | 19 | 61 |
| IPI00218918 | ANXA1_HUMAN | P04083 | ANXA1 | Annexin A1 | Calcium ion binding | Cell communication; Signal transduction | yes | yes | no | 1047 | 19 | 60 |
| IPI00246975 | GSTM3_HUMAN | P21266 | GSTM3 | Glutathione S-transferase Mu 3 | Glutathione transferase activity | Metabolism; Energy pathways | no | yes | no | 778 | 19 | 75 |
| IPI01011319 | ANXA6_HUMAN | P08133 | ANXA6 | Annexin A6 | Calcium ion binding | Cell communication; Signal transduction | no | no | no | 745 | 19 | 35 |
| IPI00020599 | CALR_HUMAN | P27797 | CALR | Calreticulin | Chaperone activity | Protein metabolism | yes | yes | yes | 896 | 18 | 62 |
| IPI00000874 | PRDX1_HUMAN | Q06830 | PRDX1 | Peroxiredoxin-1 | Peroxidase activity | Metabolism; Energy pathways | yes | yes | yes | 825 | 18 | 75 |
| IPI00060715 | KCD12_HUMAN | Q96CX2 | KCTD12 | BTB/POZ domain-containing protein KCTD12 | Ion channel activity | Transport | yes | no | yes | 791 | 18 | 52 |
| IPI00027223 | IDHC_HUMAN | O75874 | IDH1 | Isocitrate dehydrogenase [NADP] cytoplasmic | Catalytic activity | Metabolism; Energy pathways | no | no | no | 731 | 18 | 46 |
| IPI00298547 | PARK7_HUMAN | Q99497 | PARK7 | Protein DJ-1 | RNA binding | Regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolism | no | no | yes | 688 | 18 | 83 |
| IPI00025252 | PDIA3_HUMAN | P30101 | PDIA3 | Protein disulfide-isomerase A3 | Isomerase activity | Protein metabolism | yes | no | yes | 608 | 17 | 45 |
| IPI00549725 | PGAM1_HUMAN | P18669 | PGAM1 | Phosphoglycerate mutase 1 | Catalytic activity | Metabolism; Energy pathways | yes | yes | yes | 982 | 16 | 71 |
| IPI00816314 | Q6N096_HUMAN | Q6N096 | DKFZp686l15196 | Putative uncharacterized protein DKFZp686l15196 | Unknown | Unknown | no | no | no | 976 | 16 | 43 |
| IPI00419585 | PPIA_HUMAN | P62937 | PPIA | Peptidyl-prolyl cis-trans isomerase A | Isomerase activity | Protein folding; Peptide metabolism | no | no | yes | 958 | 16 | 75 |
| IPI00410714 | HBA_HUMAN | P69905 | HBA1;HBA2 | Hemoglobin subunit alpha | Transporter activity | Transport | no | yes | yes | 922 | 16 | 93 |
| IPI00797270 | TPIS_HUMAN | P60174 | TP1I | Triosephosphate isomerase | Isomerase activity | Metabolism; Energy pathways | yes | yes | yes | 946 | 16 | 74 |
| IPI00218728 | LIS1_HUMAN | P43034 | PFAFH1B1 | Platelet-activating factor acetylhydrolase IB subunit alpha | Hydrolase activity | Metabolism; Energy pathways | no | no | no | 701 | 16 | 47 |
| IPI00003479 | MK01_HUMAN | P28482 | MAPK1 | Mitogen-activated protein kinase 1 | Protein serine/threonine kinase activity | Cell communication; Signal transduction | no | no | no | 660 | 16 | 65 |
| IPI00003815 | GDIR1_HUMAN | P52565 | ARHGDI1 | Rho GDP-dissociation inhibitor 1 | Unknown | Cell growth and/or maintenance | yes | yes | yes | 655 | 16 | 61 |
| IPI00423463 | IGHG1_HUMAN | P01857 | IGHG1 | Ig gamma-1 chain C region | Antigen binding | Immune response | yes | yes | yes | 918 | 15 | 59 |
| IPI00000792 | QOR_HUMAN | Q08257 | CRY2 | Quinone oxidoreductase | Oxidoreductase activity | Metabolism; Energy pathways | yes | yes | no | 775 | 15 | 68 |
| IPI00020986 | LUM_HUMAN | P51884 | LUM | Lumican | Extracellular matrix structural constituent | Cell growth and/or maintenance | no | yes | yes | 722 | 15 | 45 |
| IPI00216952 | LMNA_HUMAN | P02545 | LMNA | Prelamin-A/C | Structural molecule activity | Cell growth and/or maintenance | yes | yes | no | 605 | 15 | 29 |
| IPI00010779 | TPM4_HUMAN | P67936 | TPM4 | Tropomyosin alpha-4 chain | Structural constituent of cytoskeleton | Cell growth and/or maintenance | yes | yes | yes | 1196 | 14 | 58 |
| IPI00018146 | 1433T_HUMAN | P27348 | YWHAQ | 14-3-3 protein theta | Receptor signaling complex scaffold activity | Cell communication; Signal transduction | no | yes | no | 1188 | 14 | 67 |
| IPI00027107 | EFTU_HUMAN | P49411 | TUFM | Elongation factor Tu, mitochondrial | Translation regulator activity | Protein metabolism | yes | no | no | 629 | 14 | 43 |
| IPI00646773 | GELS_HUMAN | P06396 | GSN | Gelsolin | Structural constituent of cytoskeleton | Cell growth and/or maintenance | no | yes | yes | 608 | 14 | 30 |
| IPI00029468 | ACTZ_HUMAN | P61163 | ACTR1A | Alpha-centractin | Structural constituent of cytoskeleton | Cell growth and/or maintenance | no | no | no | 559 | 14 | 44 |
| IPI00218414 | CAH2_HUMAN | P00918 | CA2 | Carbonic anhydrase 2 | Catalytic activity | Metabolism; Energy pathways | no | yes | yes | 550 | 14 | 67 |
| IPI00984387 | DPYL2_HUMAN | Q16555 | DPYSL2 | Dihydropyrimidinase-related protein 2 | Cytoskeletal protein binding | Cell communication; Signal transduction | yes | yes | no | 515 | 14 | 35 |
| IPI00215983 | CAH1_HUMAN | P00915 | CA1 | Carbonic anhydrase 1 | Catalytic activity | Metabolism; Energy pathways | yes | yes | yes | 890 | 13 | 67 |

| Accession IPI / SwissProt | SwissProt | Accession UniprotKB | Symbol (Gene name) | Name | Molecular function | Biological process | Found in | | | Mascot score | No. of peptides | Sequence coverage [%] |
|---------------------------|--------------|---------------------|--------------------|------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------|--------------------|----------------------|--------------|-----------------|-----------------------|
| | | | | | | | pulp [Pääkkönen 2005] | dentin [Jágr 2012] | plasma [Schenk 2008] | | | |
| IPI00219930 | RABP1_HUMAN | P29762 | CRABP1 | Cellular retinoic acid-binding protein 1 | Transporter activity | Transport | yes | yes | no | 777 | 13 | 88 |
| IPI00219757 | GSTP1_HUMAN | P09211 | GSTP1 | Glutathione S-transferase P | Glutathione transferase activity | Metabolism; Energy pathways | yes | yes | yes | 626 | 13 | 69 |
| IPI00847635 | AACT_HUMAN | P01011 | SERPINA3 | Alpha-1-antichymotrypsin | Protease inhibitor activity | Protein metabolism | yes | yes | no | 607 | 13 | 37 |
| IPI00784295 | HS90A_HUMAN | P07900 | HSP90AA1 | Heat shock protein HSP 90-alpha | Chaperone activity | Protein metabolism | no | yes | no | 592 | 13 | 26 |
| IPI00216691 | PROF1_HUMAN | P07737 | PFN1 | Cytoskeletal protein binding | Profilin-1 | Cell growth and/or maintenance | no | no | yes | 574 | 13 | 71 |
| IPI00746777 | ADHX_HUMAN | P11766 | ADH5 | Alcohol dehydrogenase class-3 | Oxidoreductase activity | Metabolism; Energy pathways | no | no | no | 538 | 13 | 53 |
| IPI00027230 | ENPL_HUMAN | P14625 | HSP90B1 | Endoplasmic reticulum chaperone | Heat shock protein activity | Protein metabolism | no | yes | yes | 504 | 13 | 27 |
| IPI00022488 | HEMO_HUMAN | P02790 | HPX | Hemopexin | Transporter activity | Transport | no | yes | yes | 488 | 13 | 37 |
| IPI00012011 | COF1_HUMAN | P23528 | CFL1 | Cofilin-1 | Cytoskeletal protein binding | Cell growth and/or maintenance | yes | no | yes | 450 | 13 | 78 |
| IPI00220301 | PRDX6_HUMAN | P30041 | PRDX6 | Peroxiredoxin-6 | Peroxidase activity | Metabolism; Energy pathways | yes | yes | yes | 596 | 12 | 78 |
| IPI00216308 | VDAC1_HUMAN | P21796 | VDAC1 | Voltage-dependent anion-selective channel protein 1 | Voltage-gated ion channel activity | Transport | yes | no | no | 572 | 12 | 59 |
| IPI00646304 | PIIB_HUMAN | P23284 | PIIB | Peptidyl-prolyl cis-trans isomerase B | Chaperone activity | Protein metabolism | no | no | yes | 568 | 12 | 58 |
| IPI00414696 | ROA2_HUMAN | P22626 | HNRNPA2B1 | Heterogeneous nuclear ribonucleoproteins A2/B1 | Transcription factor binding | Regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolism | no | no | no | 516 | 12 | 41 |
| IPI00022774 | TERA_HUMAN | P55072 | VCP | Transitional endoplasmic reticulum ATPase | ATPase activity | Metabolism; Energy pathways | no | no | no | 453 | 12 | 27 |
| IPI00450768 | K1C17_HUMAN | Q04695 | KRT17 | Keratin, type I cytoskeletal 17 | Structural constituent of cytoskeleton | Cell growth and/or maintenance | no | yes | yes | 1153 | 11 | 45 |
| IPI00219217 | LDBH_HUMAN | P07195 | LDBH | L-lactate dehydrogenase B chain | Catalytic activity | Metabolism; Energy pathways | no | no | yes | 733 | 11 | 47 |
| IPI00418262 | ALDOC_HUMAN | P09972 | ALDOC | Fructose-bisphosphate aldolase C | Lyase activity | Metabolism; Energy pathways | no | no | no | 525 | 11 | 43 |
| IPI00328113 | FBN1_HUMAN | P35555 | FBN1 | Fibrillin-1 | Extracellular matrix structural constituent | Cell growth and/or maintenance | no | no | no | 517 | 11 | 9 |
| IPI00976752 | CLUS_HUMAN | P10909 | CLU | Clusterin | Complement activity | Immune response | no | yes | yes | 516 | 11 | 31 |
| IPI00848226 | GBLP_HUMAN | P63244 | GNB2L1 | Guanine nucleotide-binding protein subunit beta-2-like 1 | Receptor signaling complex scaffold activity | Cell communication; Signal transduction | no | no | no | 513 | 11 | 57 |
| IPI00411706 | ESTD_HUMAN | P10768 | ESD | S-formylglutathione hydrolase | Hydrolase activity | Metabolism; Energy pathways | no | no | no | 497 | 11 | 53 |
| IPI00939575 | NAGK_HUMAN | Q9UJ70 | NAGK | N-acetyl-D-glucosamine kinase | Catalytic activity | Metabolism; Energy pathways | no | no | no | 461 | 11 | 41 |
| IPI00219446 | PEBP1_HUMAN | P30086 | PEBP1 | Phosphatidylethanolamine-binding protein 1 | Protease inhibitor activity | Cell communication; Signal transduction | no | yes | yes | 457 | 11 | 58 |
| IPI00394820 | OLFL1_HUMAN | Q6UWY5 | OLFLM1 | Olfactomedin-like protein 1 | Unknown | Unknown | no | yes | no | 450 | 11 | 39 |
| IPI00019502 | MYH9_HUMAN | P35579 | MYH9 | Myosin-9 | Structural molecule activity | Cell growth and/or maintenance | no | no | yes | 448 | 11 | 9 |
| IPI00911039 | HSP71_HUMAN | P08107 | HSPA1A | Heat shock 70 kDa protein 1A/1B | Chaperone activity | Protein metabolism | no | yes | no | 444 | 11 | 22 |
| IPI00473011 | HBD_HUMAN | P02042 | HBD | Hemoglobin subunit delta | Transporter activity | Transport | no | yes | yes | 1215 | 10 | 96 |
| IPI00216319 | 1433F_HUMAN | Q04917 | YWHAH | 14-3-3 protein eta | Receptor signaling complex scaffold activity | Cell communication; Signal transduction | no | yes | yes | 738 | 10 | 60 |
| IPI00784985 | Q6PJF2_HUMAN | Q6PJF2 | IGK@ | IGK@ protein | Unknown | Unknown | no | no | no | 636 | 10 | 50 |
| IPI00027350 | PRDX2_HUMAN | P32119 | PRDX2 | Peroxiredoxin-2 | Peroxidase activity | Metabolism; Energy pathways | yes | yes | yes | 554 | 10 | 61 |
| IPI00003362 | GRP78_HUMAN | P11021 | HSPA5 | 78 kDa glucose-regulated protein | Chaperone activity | Protein metabolism | yes | yes | yes | 474 | 10 | 29 |
| IPI00396485 | EF1A1_HUMAN | P68104 | EEF1A1 | Elongation factor 1-alpha 1 | Transcription regulator activity | Regulation of cell cycle | no | no | yes | 455 | 10 | 31 |
| IPI00029568 | PTX3_HUMAN | P26022 | PTX3 | Pentraxin-related protein PTX3 | Defense/immunity protein activity | Immune response | no | no | no | 428 | 10 | 27 |
| IPI00219713 | FIBG_HUMAN | P02679 | FGG | Fibrinogen gamma chain | Protein binding | Protein metabolism | no | yes | yes | 416 | 10 | 34 |
| IPI00916111 | MDHC_HUMAN | P40925 | MDH1 | Malate dehydrogenase, cytoplasmic | Catalytic activity | Metabolism; Energy pathways | no | no | yes | 410 | 10 | 39 |
| IPI00152785 | H2B1O_HUMAN | P23527 | HIST1H2BO | Histone H2B type 1-O | DNA binding | Regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolism | no | no | no | 409 | 10 | 51 |
| IPI00440493 | ATPA_HUMAN | P25705 | ATP5A1 | ATP synthase subunit alpha, mitochondrial | Transporter activity | Metabolism; Energy pathways | no | no | yes | 396 | 10 | 28 |
| IPI00022977 | KCRB_HUMAN | P12277 | CKB | Creatine kinase B-type | Catalytic activity | Metabolism; Energy pathways | no | no | no | 320 | 10 | 38 |
| IPI00219219 | LEG1_HUMAN | P09382 | LGALS1 | Galectin-1 | Receptor binding | Immune response | yes | yes | no | 484 | 9 | 72 |
| IPI00219067 | GSTM2_HUMAN | P28161 | GSTM2 | Glutathione S-transferase Mu 2 | Glutathione transferase activity | Metabolism; Energy pathways | yes | no | no | 447 | 9 | 63 |
| IPI00292657 | PTGR1_HUMAN | Q14914 | PTGR1 | Prostaglandin reductase 1 | Catalytic activity | Metabolism; Energy pathways | no | no | no | 436 | 9 | 48 |
| IPI00291006 | MDHM_HUMAN | P40926 | MDH2 | Malate dehydrogenase, mitochondrial | Catalytic activity | Metabolism; Energy pathways | yes | no | yes | 423 | 9 | 39 |
| IPI00010800 | NEST_HUMAN | P48681 | NES | Nestin | Structural constituent of cytoskeleton | Cell growth and/or maintenance | no | yes | no | 405 | 9 | 12 |
| IPI00413451 | SPB6_HUMAN | P35237 | SERPINB6 | Serpin B6 | Protease inhibitor activity | Protein metabolism | no | no | yes | 385 | 9 | 34 |
| IPI00022200 | CO6A3_HUMAN | P12111 | COL6A3 | Collagen alpha-3(VI) chain | Extracellular matrix structural constituent | Cell growth and/or maintenance | no | no | yes | 360 | 9 | 6 |
| IPI00215894 | KNG1_HUMAN | P01042 | KNG1 | Kinogen-1 | Protease inhibitor activity | Protein metabolism | no | yes | yes | 349 | 9 | 17 |
| IPI00639931 | CAP1_HUMAN | Q01518 | CAP1 | Adenylyl cyclase-associated protein 1 | Unknown | Cell growth and/or maintenance | no | no | yes | 336 | 9 | 29 |
| IPI00219038 | H33_HUMAN | P84243 | H3F3A | Histone H3.3 | DNA binding | Regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolism | no | no | no | 321 | 9 | 53 |
| IPI00795292 | NDKB_HUMAN | P22392 | NME2 | Nucleoside diphosphate kinase B | Transcription factor activity | Signal transduction; Regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolism | yes | no | no | 307 | 9 | 43 |
| IPI00013079 | EMIL1_HUMAN | Q9Y6C2 | EMILIN1 | EMILIN-1 | Extracellular matrix structural constituent | Cell growth and/or maintenance | no | no | yes | 277 | 9 | 15 |
| IPI00218319 | TPM3_HUMAN | P06753 | TPM3 | Tropomyosin alpha-3 chain | Cytoskeletal protein binding | Cell growth and/or maintenance | yes | yes | yes | 1209 | 8 | 49 |
| IPI00759832 | 1433B_HUMAN | P31946 | YWHAH | 14-3-3 protein beta/alpha | Receptor signaling complex scaffold activity | Signal transduction | yes | yes | yes | 1015 | 8 | 64 |
| IPI00018195 | MK03_HUMAN | P27361 | MAPK3 | Mitogen-activated protein kinase 3 | Protein serine/threonine kinase activity | Signal transduction | no | no | no | 528 | 8 | 44 |
| IPI00953689 | FETUA_HUMAN | P02765 | AHSG | Alpha-2-HS-glycoprotein | Defense/immunity protein activity | Cell communication; Signal transduction | no | yes | yes | 451 | 8 | 41 |
| IPI00719452 | Q6GMX3_HUMAN | Q6GMX3 | IGL@ | IGL@ protein | Antigen binding | Immune response | no | yes | no | 444 | 8 | 42 |
| IPI00027834 | HNRPL_HUMAN | P14866 | HNRNPL | Heterogeneous nuclear ribonucleoprotein L | RNA binding | Regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolism | no | no | no | 386 | 8 | 17 |
| IPI00032258 | CO4A_HUMAN | P0C0L4 | C4A | Complement C4-A | Complement activity | Immune response | no | yes | yes | 360 | 8 | 9 |
| IPI00003348 | GBB2_HUMAN | P62879 | GNB2 | Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2 | GTPase activity | Cell communication; Signal transduction | no | yes | no | 347 | 8 | 29 |
| IPI00909239 | ACTN1_HUMAN | P12814 | ACTN1 | Alpha-actinin-1 | Cytoskeletal protein binding | Cell growth and/or maintenance | no | no | yes | 299 | 8 | 13 |
| IPI00789806 | AMPL_HUMAN | P28838 | LAP3 | Cytosol aminopeptidase | Aminopeptidase activity | Protein metabolism | no | yes | no | 293 | 8 | 25 |
| IPI00017601 | CERU_HUMAN | P00450 | CP | Ceruloplasmin | Oxidoreductase activity | Metabolism; Energy pathways | no | yes | yes | 276 | 8 | 15 |
| IPI00295386 | CBR1_HUMAN | P16152 | CBR1 | Carbonyl reductase [NADPH] 1 | Oxidoreductase activity | Metabolism; Energy pathways | no | no | yes | 276 | 8 | 42 |
| IPI00479877 | AL9A1_HUMAN | P49189 | ALDH9A1 | 4-trimethylaminobutyraldehyde dehydrogenase | Catalytic activity | Metabolism; Energy pathways | no | yes | no | 276 | 8 | 17 |
| IPI00028091 | ARP3_HUMAN | P61158 | ACTR3 | Actin-related protein 3 | Structural constituent of cytoskeleton | Cell growth and/or maintenance | no | yes | yes ? | 267 | 8 | 27 |
| IPI00023006 | ACTC_HUMAN | P68032 | ACTC1 | Actin, alpha cardiac muscle 1 | Structural constituent of cytoskeleton | Cell growth and/or maintenance | no | no | no | 1514 | 7 | 52 |

| Accession IPI / SwissProt | SwissProt | Accession UniprotKB | Symbol (Gene name) | Name | Molecular function | Biological process | Found in | | | Mascot score | No. of peptides | Sequence coverage [%] |
|---------------------------|-------------|---------------------|--------------------|------------------------------------------------------------------------|-------------------------------------------------|------------------------------------------------------------------------------|-----------------------|--------------------|----------------------|--------------|-----------------|-----------------------|
| | | | | | | | pulp [Pääkkönen 2005] | dentin [Jágr 2012] | plasma [Schenk 2008] | | | |
| IPI00220642 | 1433G_HUMAN | P61981 | YWHAQ | 14-3-3 protein gamma | Receptor signaling complex scaffold activity | Cell communication; Signal transduction | yes | yes | yes | 739 | 7 | 63 |
| IPI00455531 | VDAC2_HUMAN | P45880 | VDAC2 | Voltage-dependent anion-selective channel protein 2 | Voltage-gated ion channel activity | Transport | no | no | no | 471 | 7 | 43 |
| IPI00022429 | A1AG1_HUMAN | P02763 | ORM1 | Alpha-1-acid glycoprotein 1 | Defense/immunity protein activity | Immune response | no | yes | yes | 455 | 7 | 40 |
| IPI00979250 | IGKC_HUMAN | P01834 | IGKC | Ig kappa chain C region | Antigen binding | Immune response | no | yes | yes | 439 | 7 | 82 |
| IPI01018060 | LAC3_HUMAN | P0CG06 | IGLC3 | Ig lambdaB-3 chain C regions | Antigen binding | Immune response | no | no | no | 427 | 7 | 87 |
| IPI00449920 | IGHA1_HUMAN | P01876 | IGHA1 | Ig alpha-1 chain C region | Antigen binding | Immune response | no | yes | yes | 345 | 7 | 36 |
| IPI00305461 | ITIH2_HUMAN | P19823 | ITIH2 | Inter-alpha-trypsin inhibitor heavy chain H2 | Protease inhibitor activity | Protein metabolism | no | no | yes | 337 | 7 | 18 |
| IPI00010896 | CLIC1_HUMAN | O00299 | CLIC1 | Chloride intracellular channel protein 1 | Intracellular ligand-gated ion channel activity | Transport | no | yes | yes | 333 | 7 | 41 |
| IPI00002606 | ADSV_HUMAN | Q9Y6U3 | SCIN | Adseverin | Cytoskeletal protein binding | Cell growth and/or maintenance | no | yes | no | 307 | 7 | 22 |
| IPI00745553 | GLO2_HUMAN | Q16775 | HAGH | Hydroxyacylglutathione hydrolase, mitochondrial | Hydrolase activity | Metabolism; Energy pathways | no | no | no | 299 | 7 | 25 |
| IPI00026199 | GPX3_HUMAN | P22352 | GPX3 | Glutathione peroxidase 3 | Peroxidase activity | Metabolism; Energy pathways | no | no | yes | 294 | 7 | 29 |
| IPI00029623 | PSA6_HUMAN | P60900 | PSMA6 | Proteasome subunit alpha type-6 | Ubiquitin-specific protease activity | Protein metabolism | no | no | yes | 291 | 7 | 37 |
| IPI00333838 | ACOT1_HUMAN | Q86TX2 | ACOT1 | Acyl-coenzyme A thioesterase 1 | Unknown | Unknown | no | no | no | 286 | 7 | 23 |
| IPI00292858 | TYPH_HUMAN | P19971 | TYMP | Thymidine phosphorylase | Growth factor activity | Cell communication; Signal transduction | no | no | no | 284 | 7 | 22 |
| IPI01014563 | FRIL_HUMAN | P02792 | FTL | Ferritin light chain | Storage protein | Transport | yes | no | yes | 259 | 7 | 40 |
| IPI00298828 | APOH_HUMAN | P02749 | APOH | Beta-2-glycoprotein 1 | Transporter activity | Transport | no | yes | yes | 217 | 7 | 37 |
| IPI00010790 | PGS1_HUMAN | P21810 | BGN | Biglycan | Extracellular matrix structural constituent | Cell growth and/or maintenance | no | yes | no | 188 | 7 | 23 |
| IPI00025465 | MIME_HUMAN | P20774 | OGN | Mimcan (Osteoglycin) | Growth factor activity | Organogenesis; Cell communication; Signal transduction | no | yes | yes | 420 | 6 | 44 |
| IPI00020091 | A1AG2_HUMAN | P19652 | ORM2 | Alpha-1-acid glycoprotein 2 | Defense/immunity protein activity | Immune response | yes | yes | yes | 334 | 6 | 34 |
| IPI00550069 | RINI_HUMAN | P13489 | RNH1 | Ribonuclease inhibitor | Translation regulator activity | Regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolism | no | yes | no | 314 | 6 | 22 |
| IPI00647207 | FHL1_HUMAN | Q13642 | FHL1 | Four and a half LIM domains protein 1 | Unknown | Cell growth and/or maintenance | no | no | no | 313 | 6 | 30 |
| IPI00027462 | S10A9_HUMAN | P06702 | S100A9 | Protein S100-A9 | Calcium ion binding | Cell communication; Signal transduction | no | yes | yes | 306 | 6 | 68 |
| IPI00218914 | AL1A1_HUMAN | P00352 | ALDH1A1 | Retinal dehydrogenase 1 | Aldehyde dehydrogenase activity | Aldehyde metabolism | no | no | no | 273 | 6 | 19 |
| IPI00003482 | DECR_HUMAN | Q16698 | DECR1 | 2,4-dienoyl-CoA reductase, mitochondrial | Catalytic activity | Metabolism; Energy pathways | no | no | no | 260 | 6 | 33 |
| IPI00022895 | A1BG_HUMAN | P04217 | A1BG | Alpha-1B-glycoprotein | Unknown | Unknown | no | yes | yes | 260 | 6 | 21 |
| IPI00013847 | QCR1_HUMAN | P31930 | UQCRC1 | Cytochrome b-c1 complex subunit 1, mitochondrial | Catalytic activity | Metabolism; Energy pathways | no | no | no | 259 | 6 | 25 |
| IPI00429689 | PP2AB_HUMAN | P62714 | PPP2CB | Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform | Protein serine/threonine phosphatase activity | Cell communication; Signal transduction | no | no | no | 257 | 6 | 27 |
| IPI00011876 | MTAP_HUMAN | Q13126 | MTAP | S-methyl-5'-thioadenosine phosphorylase | Phosphorylase activity | Metabolism; Energy pathways | no | no | no | 257 | 6 | 36 |
| IPI00220271 | AK1A1_HUMAN | P14550 | AKR1A1 | Alcohol dehydrogenase [NADP+] | Oxidoreductase activity | Metabolism | no | no | no | 248 | 6 | 29 |
| IPI00006114 | PEDF_HUMAN | P36955 | SERPINF1 | Pigment epithelium-derived factor | Serine-type peptidase activity | Cell communication; Signal transduction | no | yes | yes | 247 | 6 | 23 |
| IPI00294398 | HCDH_HUMAN | Q16836 | HADH | Hydroxyacyl-coenzyme A dehydrogenase, mitochondrial | Unknown | Unknown | no | no | no | 245 | 6 | 39 |
| IPI00010303 | SPB4_HUMAN | P48594 | SERPINB4 | Serpin B4 | Protease inhibitor activity | Protein metabolism | no | yes | yes | 241 | 6 | 24 |
| IPI00453473 | H4_HUMAN | P62805 | HIST1H4A | Histone H4 | DNA binding | Regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolism | no | yes | yes | 239 | 6 | 51 |
| IPI00024933 | RL12_HUMAN | P30050 | RPL12 | 60S ribosomal protein L12 | Structural constituent of ribosome | Protein metabolism | no | no | no | 235 | 6 | 56 |
| IPI00219221 | LEG7_HUMAN | P47929 | LGALS7 | Galectin-7 | Cell adhesion molecule activity | Cell growth and/or maintenance | no | yes | yes | 234 | 6 | 62 |
| IPI00643041 | RAN_HUMAN | P62826 | RAN | GTP-binding nuclear protein Ran | GTPase activity | Cell communication; Signal transduction | no | no | no | 230 | 6 | 27 |
| IPI00163187 | FSCN1_HUMAN | Q16658 | FSCN1 | Fascin | Structural molecule activity | Cell growth and/or maintenance | no | no | no | 229 | 6 | 22 |
| IPI00005162 | ARPC3_HUMAN | O15145 | ARPC3 | Actin-related protein 2/3 complex subunit 3 | Cytoskeletal protein binding | Cell growth and/or maintenance | no | no | yes | 218 | 6 | 24 |
| IPI00016179 | S10AD_HUMAN | Q99584 | S100A13 | Protein S100-A13 | Calcium ion binding | Cell communication; Signal transduction | no | no | no | 217 | 6 | 50 |
| IPI00292130 | DERM_HUMAN | Q07507 | DPT | Dermatopontin | Extracellular matrix structural constituent | Cell growth and/or maintenance | no | yes | no | 217 | 6 | 28 |
| IPI00001539 | THIM_HUMAN | P42765 | ACAA2 | 3-ketoacyl-CoA thiolase, mitochondrial | Acytransferase activity | Metabolism; Energy pathways | no | no | no | 195 | 6 | 22 |
| IPI00016801 | DHE3_HUMAN | P00367 | GLUD1 | Glutamate dehydrogenase 1, mitochondrial | Catalytic activity | Metabolism; Energy pathways | yes | no | no | 194 | 6 | 15 |
| IPI00022793 | ECHB_HUMAN | P55084 | HADHB | Trifunctional enzyme subunit beta, mitochondrial | Catalytic activity | Metabolism; Energy pathways | no | no | no | 178 | 6 | 13 |
| IPI00025366 | CISY_HUMAN | O75390 | CS | Citrate synthase, mitochondrial | Acytransferase activity | Metabolism; Energy pathways | no | no | no | 155 | 6 | 14 |
| IPI00024919 | PRDX3_HUMAN | P30048 | PRDX3 | Thioredoxin-dependent peroxide reductase, mitochondrial | Peroxidase activity | Metabolism; Energy pathways | no | no | no | 1746 | 5 | 28 |
| IPI00414676 | HS90B_HUMAN | P08238 | HSP90AB1 | Heat shock protein HSP 90-beta | Chaperone activity | Cell communication; Signal transduction | no | no | no | 567 | 5 | 24 |
| IPI00411765 | 1433S_HUMAN | P31947 | SDS | 14-3-3 protein sigma | Receptor signaling complex scaffold activity | Cell communication; Signal transduction | no | yes | yes | 523 | 5 | 48 |
| IPI00030702 | IDH3A_HUMAN | F50213 | IDH3A | Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial | Catalytic activity | Metabolism; Energy pathways | no | no | no | 296 | 5 | 29 |
| IPI00387118 | KV305_HUMAN | P01623 | - | Ig kappa chain V-III region WOL | Antigen binding | Immune response | no | yes | yes | 288 | 5 | 51 |
| IPI00843765 | SPTA2_HUMAN | Q13813 | SPTAN1 | Spectrin alpha chain, brain | Structural constituent of cytoskeleton | Cell growth and/or maintenance | no | no | no | 280 | 5 | 9 |
| IPI00554711 | PLAK_HUMAN | P14923 | JUP | Junction plakoglobin | Cell adhesion molecule activity | Cell communication; Signal transduction | no | yes | yes | 272 | 5 | 12 |
| IPI00033494 | ML12B_HUMAN | O14950 | MYL12B | Myosin regulatory light chain 12B | Structural constituent of cytoskeleton | Cell growth and/or maintenance | no | no | yes | 265 | 5 | 40 |
| IPI00007797 | FABP5_HUMAN | Q01469 | FABP5 | Fatty acid-binding protein, epidermal | Transporter activity | Transport | no | yes | yes | 248 | 5 | 47 |
| IPI00021369 | CRYAB_HUMAN | Q02511 | CRYAB | Alpha-crystallin B chain | Heat shock protein activity | Protein metabolism | yes | no | no | 246 | 5 | 39 |
| IPI00010810 | ETFA_HUMAN | P13804 | ETFA | Electron transfer flavoprotein subunit alpha, mitochondrial | Auxiliary transport protein activity | Metabolism; Energy pathways | no | no | no | 243 | 5 | 34 |
| IPI00413641 | ALDR_HUMAN | P15121 | AKR1B1 | Aldose reductase | Oxidoreductase activity | Metabolism; Energy pathways | no | no | no | 232 | 5 | 33 |
| IPI00299155 | PSA4_HUMAN | P25789 | PSMA4 | Proteasome subunit alpha type-4 | Ubiquitin-specific protease activity | Protein metabolism | no | no | yes | 230 | 5 | 22 |
| IPI00003949 | UBE2N_HUMAN | P61088 | UBE2N | Ubiquitin-conjugating enzyme E2 N | Ubiquitin-specific protease activity | Protein metabolism | no | no | yes | 227 | 5 | 62 |
| IPI00025512 | HSPB1_HUMAN | P04792 | HSPB1 | Heat shock protein beta-1 | Chaperone activity | Protein metabolism | no | yes | yes | 227 | 5 | 39 |
| IPI00010796 | PDI1A_HUMAN | P07237 | P4HB | Protein disulfide-isomerase | Isomerase activity | Protein metabolism | no | yes | yes | 226 | 5 | 22 |
| IPI00166729 | ZA2G_HUMAN | P25311 | AZGP1 | Zinc-alpha-2-glycoprotein | Cell adhesion molecule activity | Immune response | no | yes | no | 218 | 5 | 30 |
| IPI00019912 | DHB4_HUMAN | P51659 | HSD17B4 | Peroxisomal multifunctional enzyme type 2 | Catalytic activity | Metabolism; Energy pathways | no | no | no | 215 | 5 | 13 |

| Accession IPI / SwissProt | SwissProt | Accession UniprotKB | Symbol (Gene name) | Name | Molecular function | Biological process | Found in | | | Mascot score | No. of peptides | Sequence coverage [%] |
|---------------------------|--------------|---------------------|--------------------|------------------------------------------------------------------|----------------------------------------------|----------------------------------------------------------------------|-----------------------|--------------------|----------------------|--------------|-----------------|-----------------------|
| | | | | | | | pulp [Pääkkönen 2005] | dentin [Jágr 2012] | plasma [Schenk 2008] | | | |
| IPI00022314 | SODM_HUMAN | P04179 | SOD2 | Superoxide dismutase [Mn], mitochondrial | Superoxide dismutase activity | Cell proliferation ; Anti-apoptosis ; Cell growth and/or maintenance | no | no | yes | 202 | 5 | 27 |
| IPI00845388 | DEST_HUMAN | P60981 | DSTN | Destrin | Cytoskeletal protein binding | Cell growth and/or maintenance | no | no | yes | 194 | 5 | 40 |
| PI00219774 | KAP2_HUMAN | P13861 | PRKAR2A | cAMP-dependent protein kinase type II-alpha regulatory subunit | Protein serine/threonine kinase activity | Cell communication; Signal transduction | no | no | no | 193 | 5 | 22 |
| IPI00298971 | VTNC_HUMAN | P04004 | VTN | Vitronectin | Extracellular matrix structural constituent | Cell growth and/or maintenance | no | yes | yes | 188 | 5 | 13 |
| IPI00218733 | SODC_HUMAN | P00441 | SOD1 | Superoxide dismutase [Cu-Zn] | Superoxide dismutase activity | Metabolism; Energy pathways | yes | yes | yes | 185 | 5 | 64 |
| IPI00019568 | THRB_HUMAN | P00734 | F2 | Prothrombin | Peptidase activity | Protein metabolism | no | yes | yes | 173 | 5 | 18 |
| IPI00472498 | UB2V1_HUMAN | Q13404 | UBE2V1 | Ubiquitin-conjugating enzyme E2 variant 1 | Transcription factor activity | Cell differentiation | no | no | yes | 167 | 5 | 25 |
| IPI00550363 | TAGL2_HUMAN | P37802 | TAGLN2 | Transgelin-2 | Unknown | Unknown | no | yes | yes | 167 | 5 | 43 |
| IPI01015376 | B4DL14_HUMAN | B4DL14 | ATP5C1 | ATP synthase subunit gamma | Transporter activity | Metabolism; Energy pathways | no | no | no | 161 | 5 | 30 |
| IPI00018342 | KAD1_HUMAN | P00568 | AK1 | Adenylate kinase isoenzyme 1 | Catalytic activity | Metabolism; Energy pathways | no | no | yes | 158 | 5 | 28 |
| IPI00024621 | QLFL3_HUMAN | Q9NRN5 | QLFML3 | Olfactomedin-like protein 3 | Extracellular matrix structural constituent | Cell growth and/or maintenance | no | yes | no | 151 | 5 | 12 |
| IPI00022432 | TTHY_HUMAN | P02766 | TTR | Transthyretin | Transporter activity | Transport | yes | yes | yes | 140 | 5 | 52 |
| IPI01019113 | TBB5_HUMAN | P07437 | TUBB | Tubulin beta chain | Structural constituent of cytoskeleton | Cell growth and/or maintenance | no | yes | yes | 1517 | 4 | 58 |
| IPI00013164 | PERI_HUMAN | P41219 | PRPH | Peripherin | Structural constituent of cytoskeleton | Cell growth and/or maintenance | no | no | yes | 506 | 4 | 18 |
| IPI00413344 | COF2_HUMAN | Q9Y281 | CFL2 | Cofilin-2 | Cytoskeletal protein binding | Cytoskeleton organization and biogenesis | yes | no | no | 287 | 4 | 61 |
| IPI00418431 | ASPN_HUMAN | Q9BXN1 | ASPN | Asporin | Extracellular matrix structural constituent | Cell growth and/or maintenance | no | yes | no | 249 | 4 | 20 |
| IPI00013895 | S10AB_HUMAN | P31949 | S100A11 | Protein S100-A11 | Calcium ion binding | Cell communication; Signal transduction | no | no | no | 220 | 4 | 50 |
| IPI00465256 | KAD3_HUMAN | Q9UIJ7 | AK3 | GTP:AMP phosphotransferase, mitochondrial | Catalytic activity | Metabolism; Energy pathways | no | no | no | 203 | 4 | 34 |
| IPI00215824 | PSB8_HUMAN | P28062 | PSMB8 | Proteasome subunit beta type-8 | Ubiquitin-specific protease activity | Protein metabolism | no | no | no | 199 | 4 | 20 |
| IPI00000760 | DDAH2_HUMAN | O95865 | DDAH2 | N(G),N(G)-dimethylarginine dimethylaminohydrolase 2 | Hydrolase activity | Metabolism; Energy pathways | no | yes | no | 180 | 4 | 21 |
| IPI00554811 | ARPC4_HUMAN | P59998 | ARPC4 | Actin-related protein 2/3 complex subunit 4 | Cytoskeletal protein binding | Cell growth and/or maintenance | no | no | yes | 180 | 4 | 36 |
| IPI00816201 | SEPT7_HUMAN | Q16181 | SEPT7 | Septin-7 | Protein binding | Cell communication; Signal transduction | no | no | yes | 175 | 4 | 13 |
| IPI00759715 | FUMH_HUMAN | P07954 | FH | Fumarate hydratase, mitochondrial | Catalytic activity | Metabolism; Energy pathways | no | no | no | 174 | 4 | 11 |
| IPI00026185 | CAPZB_HUMAN | P47756 | CAPZB | F-actin-capping protein subunit beta | Structural constituent of cytoskeleton | Cell growth and/or maintenance | no | no | yes | 170 | 4 | 28 |
| IPI00007047 | S10A8_HUMAN | P05109 | S100A8 | Protein S100-A8 | Calcium ion binding | Cell communication; Signal transduction | no | yes | yes | 168 | 4 | 36 |
| IPI00183695 | S10AA_HUMAN | P60903 | S100A10 | Protein S100-A10 | Calcium ion binding | Cell communication; Signal transduction | no | no | no | 163 | 4 | 29 |
| IPI00024175 | PSA7_HUMAN | O14818 | PSMA7 | Proteasome subunit alpha type-7 | Ubiquitin-specific protease activity | Protein metabolism | no | no | yes | 158 | 4 | 17 |
| IPI00783862 | BLVRB_HUMAN | P30043 | BLVRB | Flavin reductase | Oxidoreductase activity | Metabolism; Energy pathways | no | no | yes | 157 | 4 | 22 |
| IPI00554521 | FRIH_HUMAN | P02794 | FTH1 | Ferritin heavy chain | Storage protein | Transport | no | no | no | 153 | 4 | 24 |
| IPI00019755 | GSTO1_HUMAN | P78417 | GSTO1 | Glutathione S-transferase omega-1 | Glutathione transferase activity | Metabolism; Energy pathways | no | yes | yes | 148 | 4 | 18 |
| IPI00026182 | CAZA2_HUMAN | P47755 | CAPZA2 | F-actin-capping protein subunit alpha-2 | Structural molecule activity | Cell growth and/or maintenance | no | no | yes | 148 | 4 | 15 |
| IPI00335168 | MYL6_HUMAN | P06060 | MYL6 | Myosin light polypeptide 6 | Structural constituent of cytoskeleton | Cell growth and/or maintenance | no | yes | no | 147 | 4 | 48 |
| IPI00220362 | CH10_HUMAN | P61604 | HSP61 | 10 kDa heat shock protein, mitochondrial | Chaperone activity | Protein metabolism | no | no | no | 135 | 4 | 37 |
| IPI00031708 | FAA_HUMAN | P16930 | FAH | Fumarylacetoacetase | Hydrolase activity | Metabolism; Energy pathways | no | no | yes | 132 | 4 | 11 |
| IPI00025019 | PSB1_HUMAN | P20618 | PSMB1 | Proteasome subunit beta type-1 | Ubiquitin-specific protease activity | Protein metabolism | no | no | yes | 131 | 4 | 22 |
| IPI00872762 | SUCA_HUMAN | P53597 | SUCLG1 | Succinyl-CoA ligase [GDP-forming] subunit alpha, mitochondrial | Ligase activity | Metabolism; Energy pathways | no | no | no | 125 | 4 | 15 |
| IPI00002460 | ANXA7_HUMAN | P20073 | ANXA7 | Annexin A7 | Calcium ion binding | Transport | yes | no | no | 120 | 4 | 9 |
| IPI00018272 | PNPO_HUMAN | Q9NV59 | PNPO | Pyridoxine-5'-phosphate oxidase | Catalytic activity | Metabolism; Energy pathways | no | no | no | 117 | 4 | 23 |
| IPI00180675 | TBA1A_HUMAN | Q71U36 | TUBA1A | Tubulin alpha-1A chain | Structural constituent of cytoskeleton | Cell growth and/or maintenance | no | yes | no | 1236 | 3 | 60 |
| IPI00220709 | TPM2_HUMAN | P07951 | TPM2 | Tropomyosin beta chain | Structural constituent of cytoskeleton | Cell growth and/or maintenance | yes | yes | yes | 1123 | 3 | 50 |
| IPI00973474 | IGHG3_HUMAN | P01860 | IGHG3 | Ig gamma-3 chain C region | Antigen binding | Immune response | no | yes | yes | 601 | 3 | 28 |
| IPI00168728 | Q8NF17_HUMAN | Q8NF17 | FLJ00385 | Unknown | Unknown | Unknown | no | no | yes | 582 | 3 | 21 |
| IPI00930442 | IGHG4_HUMAN | P01861 | IGHG4 | Ig gamma-4 chain C region | Antigen binding | Immune response | no | no | no | 533 | 3 | 42 |
| IPI00399007 | IGHG2_HUMAN | P01859 | IGHG2 | Ig gamma-2 chain C region | Antigen binding | Immune response | no | yes | yes | 495 | 3 | 31 |
| IPI00844078 | TPM3L_HUMAN | A6NL28 | - | Putative tropomyosin alpha-3 chain-like protein | Unknown | Unknown | no | no | no | 425 | 3 | 30 |
| IPI00893175 | IGLL5_HUMAN | B9A064 | IGLL5 | Immunoglobulin lambda-like polypeptide 5 | Unknown | Unknown | no | no | no | 388 | 3 | 47 |
| IPI00293276 | MIF_HUMAN | P14174 | MIF | Macrophage migration inhibitory factor | Cytokine activity | Cell communication; Signal transduction | no | no | yes | 228 | 3 | 17 |
| IPI00943181 | PSME2_HUMAN | Q9UL46 | PSME2 | Proteasome activator complex subunit 2 | Ubiquitin-specific protease activity | Protein metabolism | no | no | no | 197 | 3 | 40 |
| IPI00792916 | GLU2B_HUMAN | P14314 | PRKCSH | Glucosidase 2 subunit beta | Glucosidase activity | Metabolism; Energy pathways | no | no | no | 161 | 3 | 14 |
| IPI00019376 | SEP11_HUMAN | Q9NVA2 | SEPT11 | Septin-11 | GTPase activity | Cell communication; Signal transduction | no | no | no | 159 | 3 | 20 |
| IPI00179330 | RS27A_HUMAN | P62979 | RPS27A | Ubiquitin-40S ribosomal protein S27a | Ubiquitin-specific protease activity | Protein metabolism | no | no | yes | 153 | 3 | 31 |
| IPI00925125 | CALD1_HUMAN | Q05682 | CALD1 | Caldesmon | Cytoskeletal protein binding | Cell growth and/or maintenance | no | no | yes | 153 | 3 | 12 |
| IPI00736885 | KV204_HUMAN | P01617 | - | Ig kappa chain V-II region TEW | Antigen binding | Immune response | no | no | no | 133 | 3 | 39 |
| IPI00007765 | GRP75_HUMAN | P38646 | HSPA9 | Stress-70 protein, mitochondrial | Chaperone activity | Protein metabolism | no | no | yes | 128 | 3 | 6 |
| IPI00943265 | KV401_HUMAN | P06312 | IGKV4-1 | Ig kappa chain V-IV region | Antigen binding | Immune response | no | no | no | 125 | 3 | 36 |
| IPI00645172 | NNRD_HUMAN | Q8IW45 | CARKD | ATP-dependent (S)-NAD(P)H-hydrate dehydratase | Transporter activity | Metabolism | no | no | no | 123 | 3 | 19 |
| IPI00386132 | KV403_HUMAN | P06313 | - | Ig kappa chain V-IV region JI | Antigen binding | Immune response | no | no | no | 123 | 3 | 32 |
| IPI00219806 | S10A7_HUMAN | P31151 | S100A7 | Protein S100-A7 | Calcium ion binding | Cell communication; Signal transduction | no | yes | yes | 122 | 3 | 42 |
| IPI00935818 | SAHH_HUMAN | P23526 | AHCY | Adenosylhomocysteinase | Hydrolase activity | Metabolism; Energy pathways | no | no | yes | 122 | 3 | 10 |
| IPI00827482 | HV305_HUMAN | P01766 | - | Ig heavy chain V-III region BRO | Antigen binding | Immune response | no | no | no | 121 | 3 | 29 |
| IPI00011253 | RS3_HUMAN | P23396 | RPS3 | 40S ribosomal protein S3 | Structural constituent of ribosome | Protein metabolism | no | no | no | 119 | 3 | 24 |
| IPI00644472 | HDHD2_HUMAN | Q9HOR4 | HDHD2 | Haloacid dehalogenase-like hydrolase domain-containing protein 2 | Hydrolase activity | Metabolism; Energy pathways | no | no | no | 119 | 3 | 19 |
| IPI00003817 | GDIR2_HUMAN | P52566 | ARHGDI2 | Rho GDP-dissociation inhibitor 2 | Receptor signaling complex scaffold activity | Cell communication; Signal transduction | no | no | yes | 114 | 3 | 18 |
| IPI00010182 | ACBP_HUMAN | P07108 | DBI | Acy-CoA-binding protein | Receptor binding | Metabolism; Energy pathways | yes | yes | no | 111 | 3 | 32 |
| IPI00027463 | S10A6_HUMAN | P06703 | S100A6 | Protein S100-A6 | Calcium ion binding | Cell communication; Signal transduction | no | yes | yes | 108 | 3 | 24 |
| IPI00216105 | OLA1_HUMAN | Q9NNTK5 | OLA1 | Obg-like ATPase 1 | Unknown | Unknown | no | no | no | 108 | 3 | 7 |
| IPI00012303 | SBP1_HUMAN | Q13228 | SELENBP1 | Selenium-binding protein 1 | Unknown | Protein metabolism | yes | no | no | 107 | 3 | 12 |
| IPI00028004 | PSB3_HUMAN | P49720 | PSMB3 | Proteasome subunit beta type-3 | Ubiquitin-specific protease activity | Protein metabolism | no | no | yes | 107 | 3 | 20 |

| Accession IPI / SwissProt | SwissProt | Accession UniprotKB | Symbol (Gene name) | Name | Molecular function | Biological process | Found in | | | Mascot score | No. of peptides | Sequence coverage [%] |
|---------------------------|--------------|---------------------|--------------------|------------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------|--------------------|----------------------|--------------|-----------------|-----------------------|
| | | | | | | | pulp [Pääkkönen 2005] | dentin [Jágr 2012] | plasma [Schenk 2008] | | | |
| IPI00239077 | HINT1_HUMAN | P49773 | HINT1 | Histidine triad nucleotide-binding protein 1 | ATPase activity | Cell communication; Signal transduction | no | no | no | 107 | 3 | 32 |
| IPI00478861 | INO1_HUMAN | Q9NPH2 | ISYNA1 | Inositol-3-phosphate synthase 1 | Isomerase activity | Metabolism; Energy pathways | no | no | no | 106 | 3 | 7 |
| IPI00021828 | CYT8_HUMAN | P04080 | CSTB | Cystatin-B | Protease inhibitor activity | Protein metabolism | no | no | yes | 106 | 3 | 32 |
| IPI00025084 | CPNS1_HUMAN | P04632 | CAPNS1 | Calpain small subunit 1 | Peptide binding | Protein folding | no | yes | yes | 106 | 3 | 17 |
| IPI00186290 | EF2_HUMAN | P13639 | EEF2 | Elongation factor 2 | Translation regulator activity | Protein metabolism; Translation | no | no | yes | 104 | 3 | 4 |
| IPI00219156 | RL30_HUMAN | P62888 | RPL30 | 60S ribosomal protein L30 | Structural constituent of ribosome | Protein metabolism | no | no | no | 95 | 3 | 31 |
| IPI00027252 | PHB2_HUMAN | Q99623 | PHB2 | Prohibitin-2 | Transcription regulator activity | Regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolism | no | no | no | 90 | 3 | 13 |
| IPI00026167 | NH2L1_HUMAN | P55769 | NHP2L1 | NHP2-like protein 1 | RNA binding | RNA metabolism | no | no | no | 90 | 3 | 27 |
| IPI00026256 | FILA_HUMAN | P20930 | FLG | Flaggrin | Calcium ion binding | Cell communication; Signal transduction | no | no | yes | 90 | 3 | 1 |
| IPI00016346 | PROSC_HUMAN | Q94903 | PROSC | Proline synthase co-transcribed bacterial homolog protein | Racemase and epimerase activity | Metabolism; Energy pathways | no | no | no | 88 | 3 | 10 |
| IPI00025974 | CHM4B_HUMAN | Q9H444 | CHMP4B | Charged multivesicular body protein 4b | Transporter activity | Transport | no | no | no | 86 | 3 | 16 |
| IPI00026516 | SCOT1_HUMAN | P55809 | OXCT1 | Succinyl-CoA:3-ketoacid-coenzyme A transferase 1, mitochondrial | CoA-transferase activity | Metabolism; Energy pathways | no | no | no | 78 | 3 | 5 |
| IPI00019329 | DYL1_HUMAN | P63167 | DYNLL1 | Dynein light chain 1, cytoplasmic | Motor activity | Cell growth and/or maintenance | no | no | no | 77 | 3 | 49 |
| IPI00299145 | K2C6C_HUMAN | F48668 | KRT6C | Keratin, type II cytoskeletal 6C | Structural molecule activity | Cell growth and/or maintenance | no | yes | yes | 1652 | 2 | 49 |
| IPI00013475 | TBB2A_HUMAN | Q13885 | TUBB2A | Tubulin beta-2A chain | Structural constituent of cytoskeleton | Cell growth and/or maintenance | no | no | yes | 1442 | 2 | 51 |
| IPI00013683 | TBB3_HUMAN | Q13509 | TUBB3 | Tubulin beta-3 chain | Structural molecule activity | Cell growth and/or maintenance | no | no | no | 1150 | 2 | 40 |
| IPI00793199 | ANXA4_HUMAN | P09525 | ANXA4 | Annexin A4 | Calcium ion binding | Cell communication; Signal transduction | yes | no | no | 289 | 2 | 36 |
| IPI01025882 | Q9UL78_HUMAN | Q9UL78 | - | Myosin-reactive immunoglobulin light chain variable region | Unknown | Unknown | no | no | no | 273 | 2 | 51 |
| IPI00012048 | NDKA_HUMAN | P15531 | NME1 | Nucleoside diphosphate kinase A | Catalytic activity | Metabolism; Energy pathways | no | no | yes | 243 | 2 | 53 |
| IPI00031804 | VDAC3_HUMAN | Q9Y277 | VDAC3 | Voltage-dependent anion-selective channel protein 3 | Voltage-gated ion channel activity | Transport | no | no | no | 240 | 2 | 34 |
| IPI00186460 | CO2A1_HUMAN | P02458 | COL2A1 | Collagen alpha-1(II) chain | Extracellular matrix structural constituent | Cell growth and/or maintenance | no | yes | no | 205 | 2 | 4 |
| IPI00081836 | H2A1H_HUMAN | Q96KX5 | HIST1H2AH | Histone H2A type 1-H | DNA binding | Regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolism | no | no | no | 197 | 2 | 27 |
| IPI00397526 | MYH10_HUMAN | P35580 | MYH10 | Myosin-10 | Structural molecule activity | Cell growth and/or maintenance | no | no | no | 192 | 2 | 4 |
| IPI00289334 | FLNB_HUMAN | O75369 | FLNB | Filamin-B | Cytoskeletal protein binding | Cell growth and/or maintenance | no | no | no | 170 | 2 | 3 |
| IPI00744692 | TALDO_HUMAN | P37837 | TALDO1 | Transaldolase | Transferase activity, transferring aldehyde or ketonic groups | Metabolism; Energy pathways | no | no | yes | 169 | 2 | 21 |
| IPI00289862 | SCRN1_HUMAN | Q12765 | SCRN1 | Secernin-1 | Peptidase activity | Immune response | no | yes | no | 167 | 2 | 15 |
| IPI00816799 | AON5G5_HUMAN | AON5G5 | - | Rheumatoid factor D5 light chain | Unknown | Unknown | no | no | no | 157 | 2 | 36 |
| IPI00896413 | ITIH4_HUMAN | Q14624 | ITIH4 | Inter-alpha-trypsin inhibitor heavy chain H4 | Protease inhibitor activity | Protein metabolism | no | yes | yes | 154 | 2 | 4 |
| IPI00018206 | AATM_HUMAN | P00505 | GOT2 | Aspartate aminotransferase, mitochondrial | Transaminase activity | Metabolism; Energy pathways | yes | no | no | 143 | 2 | 18 |
| IPI00784430 | KV309_HUMAN | P04433 | - | Ig kappa chain V-III region VG | Antigen binding | Immune response | no | no | yes | 136 | 2 | 19 |
| IPI00415014 | MLP3A_HUMAN | Q9H492 | MAP1LC3A | Microtubule-associated proteins 1A/1B light chain 3A | Cytoskeletal protein binding | Microtubule-based process | no | no | no | 129 | 2 | 26 |
| IPI00027444 | ILEU_HUMAN | P30740 | SERPINB1 | Leukocyte elastase inhibitor | Protease inhibitor activity | Protein metabolism | yes | no | yes | 126 | 2 | 18 |
| IPI00297779 | TCPB_HUMAN | F78371 | CCT2 | T-complex protein 1 subunit beta | Chaperone activity | Protein metabolism | yes | no | no | 125 | 2 | 15 |
| IPI00465431 | LEG3_HUMAN | P17931 | LGALS3 | Galectin-3 | Transcription regulator activity | Regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolism | yes | no | yes | 121 | 2 | 23 |
| IPI00011454 | GANAB_HUMAN | Q14697 | GANAB | Neutral alpha-glucosidase AB | Hydrolase activity | Carbohydrate metabolism | no | no | yes | 115 | 2 | 7 |
| IPI00291410 | BP1B1_HUMAN | Q87DL5 | BP1FB1 | BPI fold-containing family B member 1 | Unknown | Unknown | no | no | no | 114 | 2 | 13 |
| IPI00005719 | RAB1A_HUMAN | P62820 | RAB1A | Ras-related protein Rab-1A | GTase activity | Cell communication; Signal transduction | no | no | no | 112 | 2 | 20 |
| IPI00026965 | UB2D3_HUMAN | P61077 | UBE2D3 | Ubiquitin-conjugating enzyme E2 D3 | Ubiquitin-specific protease activity | Protein metabolism | no | no | no | 107 | 2 | 16 |
| IPI00014808 | PA1B3_HUMAN | Q15102 | PAFAH1B3 | Platelet-activating factor acetylhydrolase IB subunit gamma | Acytransferase activity | Metabolism; Energy pathways | no | no | no | 106 | 2 | 14 |
| IPI00020632 | ASSY_HUMAN | P00966 | ASS1 | Argininosuccinate synthase | Catalytic activity | Energy pathways | no | no | no | 106 | 2 | 9 |
| IPI00007611 | ATPO_HUMAN | P48047 | ATP5O | ATP synthase subunit O, mitochondrial | Transporter activity | Metabolism; Energy pathways | no | no | no | 103 | 2 | 17 |
| IPI00027233 | SCO1_HUMAN | O75880 | SCO1 | Protein SCO1 homolog, mitochondrial | Unknown | Metabolism; Energy pathways | no | no | no | 102 | 2 | 8 |
| IPI00387025 | KV105_HUMAN | P01597 | - | Ig kappa chain V-I region DEE | Antigen binding | Immune response | no | no | yes | 102 | 2 | 22 |
| IPI00075248 | CALM_HUMAN | P62158 | CALM1 | Calmodulin | Calcium ion binding | Cell communication; Signal transduction | no | yes | no | 100 | 2 | 28 |
| IPI00304814 | GPX4_HUMAN | P36969 | GPX4 | Phospholipid hydroperoxide glutathione peroxidase, mitochondrial | Peroxidase activity | Metabolism; Energy pathways | no | no | no | 99 | 2 | 29 |
| IPI00028888 | HNRPD_HUMAN | Q14103 | HNRNPD | Heterogeneous nuclear ribonucleoprotein D0 | MRNA binding | Regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolism | no | no | no | 96 | 2 | 10 |
| IPI00294158 | BIEA_HUMAN | P53004 | BLVRA | Biliverdin reductase A | Oxidoreductase activity | Metabolism; Energy pathways | no | no | no | 96 | 2 | 13 |
| IPI00019038 | LYSC_HUMAN | P61626 | LYZ | Lysozyme C | Hydrolase activity | Metabolism; Energy pathways | no | yes | yes | 95 | 2 | 18 |
| IPI00005573 | NT5C_HUMAN | Q8TCD5 | NT5C | 5'(3)-deoxyribonucleotidase, cytosolic type | Hydrolase activity | Metabolism; Energy pathways | no | no | no | 92 | 2 | 27 |
| IPI00029778 | TP53B_HUMAN | Q12888 | TP53BP1 | Tumor suppressor p53-binding protein 1 | Transcription regulator activity | Regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolism | no | no | no | 90 | 2 | 2 |
| IPI00021885 | FIBA_HUMAN | P02671 | FGA | Fibrinogen alpha chain | Protein binding | Protein metabolism | no | no | yes | 90 | 2 | 3 |
| IPI00021890 | DHB8_HUMAN | Q92506 | HSD17B8 | Estradiol 17-beta-dehydrogenase 8 | Catalytic activity | Metabolism; Energy pathways | no | no | no | 85 | 2 | 16 |
| IPI00385985 | LV302_HUMAN | P80748 | - | Ig lambda chain V-III region LOI | Antigen binding | Immune response | no | no | yes | 84 | 2 | 7 |
| IPI00008234 | NB5R2_HUMAN | Q6BCY4 | CYB5R2 | NADH-cytochrome b5 reductase 2 | Catalytic activity | Metabolism; Energy pathways; Electron transport | no | no | no | 83 | 2 | 12 |
| IPI00550451 | PP1A_HUMAN | P62136 | PPP1CA | Serine/threonine-protein phosphatase PP1-alpha catalytic subunit | Protein serine/threonine phosphatase activity | Cell proliferation | no | no | no | 82 | 2 | 12 |
| IPI00900355 | DMBT1_HUMAN | Q9UGM3 | DMBT1 | Deleted in malignant brain tumors 1 protein | Unknown | Immune response | no | yes | yes | 82 | 2 | 1 |
| IPI00027547 | DCD_HUMAN | P81605 | DCD | Dermcidin | Unknown | Immune response | no | yes | yes | 81 | 2 | 23 |
| IPI00010720 | TCPE_HUMAN | P48643 | CCT5 | T-complex protein 1 subunit epsilon | Chaperone activity | Protein metabolism | no | no | no | 81 | 2 | 4 |

| Accession IPI / SwissProt | SwissProt | Accession UniprotKB | Symbol (Gene name) | Name | Molecular function | Biological process | Found in | | | Mascot score | No. of peptides | Sequence coverage [%] |
|------------------------------|-------------|------------------------|-----------------------|-----------------------------------------------------------------|----------------------------------------------|------------------------------------------------------------------------------|--------------------------|------------------------|-------------------------|-----------------|--------------------|-----------------------------|
| | | | | | | | pulp [Pääkkönen 2005] | dentin [Jäger 2012] | plasma [Schenk 2008] | | | |
| IPI00106913 | DHRS4_HUMAN | Q9BTZ2 | DHRS4 | Dehydrogenase/reductase SDR family member 4 | Catalytic activity | Metabolism; Energy pathways | no | no | no | 80 | 2 | 8 |
| IPI00182933 | CYB5_HUMAN | P00167 | CYB5A | Cytochrome b5 | Oxidoreductase activity | Metabolism; Energy pathways | no | no | no | 80 | 2 | 25 |
| IPI00018352 | UCHL1_HUMAN | P09936 | UCHL1 | Ubiquitin carboxyl-terminal hydrolase isozyyme | Ubiquitin-specific protease activity | Protein metabolism | no | yes | no | 79 | 2 | 15 |
| IPI00219468 | PROF2_HUMAN | P35080 | PFN2 | Profilin-2 | Structural molecule activity | Cell growth and/or maintenance | no | no | no | 79 | 2 | 21 |
| IPI00017963 | SMD2_HUMAN | P62316 | SNRPD2 | Small nuclear ribonucleoprotein Sm D2 | RNA binding | Regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolism | no | no | no | 76 | 2 | 25 |
| IPI00026358 | GBRL2_HUMAN | P60520 | GABARAPL2 | Gamma-aminobutyric acid receptor-associated protein-like 2 | Transporter activity | Transport | no | no | no | 76 | 2 | 10 |
| IPI00219678 | IF2A_HUMAN | P05198 | EIF2S1 | Eukaryotic translation initiation factor 2 subunit 1 | Translation regulator activity | Protein metabolism | no | no | no | 73 | 2 | 13 |
| IPI00025753 | DSG1_HUMAN | Q02413 | DSG1 | Desmoglein-1 | Cell adhesion molecule activity | Cell growth and/or maintenance | no | yes | yes | 73 | 2 | 4 |
| IPI00302927 | TCPD_HUMAN | P50991 | CCT4 | T-complex protein 1 subunit delta | Chaperone activity | Protein metabolism | no | no | no | 72 | 2 | 4 |
| IPI00017334 | PHB_HUMAN | P35232 | PHB | Prohibitin | Receptor signaling complex scaffold activity | Cell communication; Signal transduction | no | no | no | 68 | 2 | 7 |
| IPI00032957 | UBC9_HUMAN | P63279 | UBE21 | SUMO-conjugating enzyme UBC9 | Protein binding | Protein metabolism | no | no | no | 65 | 2 | 14 |
| IPI00219617 | PRPS2_HUMAN | P11908 | PRPS2 | Ribose-phosphate pyrophosphokinase 2 | Ligase activity | Metabolism; Energy pathways | no | no | no | 65 | 2 | 9 |
| IPI00003925 | ODPB_HUMAN | P11177 | PDHB | Pyruvate dehydrogenase E1 component subunit beta, mitochondrial | Carboxy-lyase activity | Metabolism; Energy pathways | no | no | no | 64 | 2 | 6 |
| IPI00470559 | KANK2_HUMAN | Q63ZY3 | KANK2 | KN motif and ankyrin repeat domain-containing protein 2 | Structural molecule activity | Unknown | no | no | no | 64 | 2 | 1 |
| IPI00024913 | ES1_HUMAN | P30042 | C21orf33 | ES1 protein homolog, mitochondrial | Unknown | Unknown | no | no | no | 63 | 2 | 15 |
| IPI00221222 | TCP4_HUMAN | P53999 | SUB1 | Activated RNA polymerase II transcriptional coactivator p15 | Transcription factor activity | Regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolism | no | no | no | 62 | 2 | 20 |
| IPI00010414 | PDL1_HUMAN | O00151 | PDLIM1 | PDZ and LIM domain protein 1 | Unknown | Unknown | no | no | yes | 61 | 2 | 9 |
| IPI00148063 | HEBP1_HUMAN | Q9NRV9 | HEBP1 | Heme-binding protein 1 | Unknown | Unknown | no | no | no | 61 | 2 | 14 |
| IPI00293665 | K2C6B_HUMAN | P04259 | KRT6B | Keratin, type II cytoskeletal 6B | Structural molecule activity | Cell growth and/or maintenance | no | yes | yes | 1585 | 1 | 46 |