

## Supplementary Table 12: List of total extracellular proteins identified in th

### Found in Human Plasma Proteome Database

Protein name
Gene_Symbol=- Trypsinogen C
Gene_Symbol=ADAMTS1 ADAMTS-1 precursor
Gene_Symbol=ADAMTS12 ADAM metalloproteinase with thrombospondin type 1 motif, 12 preproprotein
Gene_Symbol=ADAMTS19 ADAMTS-19 precursor
Gene_Symbol=ADAMTSL1 ADAMTS-like 1 isoform 1
Gene_Symbol=ADAMTSL2 ADAMTS-like 2
Gene_Symbol=ADCYAP1 Pituitary adenylate cyclase-activating polypeptide precursor
Gene_Symbol=AGR2 AGR2
Gene_Symbol=AGRN Agrin precursor
Gene_Symbol=AGT Angiotensinogen precursor
Gene_Symbol=AKR1B1 Aldose reductase
Gene_Symbol=ALB ALB protein
Gene_Symbol=AMBP AMBP protein precursor
Gene_Symbol=ANGPTL4 Angiopoietin-related protein 4 precursor
Gene_Symbol=ANXA2 annexin A2 isoform 1
Gene_Symbol=APOA1BP Apolipoprotein A-I binding protein
Gene_Symbol=APOA1BP apolipoprotein A-I binding protein precursor
Gene_Symbol=APOE Apolipoprotein E precursor
Gene_Symbol=APP Isoform APP770 of Amyloid beta A4 protein precursor (Fragment)
Gene_Symbol=ARMET ARMET protein precursor
Gene_Symbol=ARTS-1 type 1 tumor necrosis factor receptor shedding aminopeptidase regulator isoform a
Gene_Symbol=ATRN Isoform 1 of Attractin precursor
Gene_Symbol=AZGP1 alpha-2-glycoprotein 1, zinc
Gene_Symbol=BCHE Cholinesterase precursor
Gene_Symbol=BGN Biglycan precursor
Gene_Symbol=BMP1 Isoform BMP1-1 of Bone morphogenetic protein 1 precursor
Gene_Symbol=BMP1 Isoform BMP1-5 of Bone morphogenetic protein 1 precursor
Gene_Symbol=BTBD9 Biotinidase precursor
Gene_Symbol=C12orf39 Uncharacterized protein C12orf39 precursor
Gene_Symbol=C14orf141;LTBP2 Latent-transforming growth factor beta-binding protein 2 precursor
Gene_Symbol=C19orf10 Uncharacterized protein C19orf10 precursor
Gene_Symbol=C1R Complement C1r subcomponent precursor
Gene_Symbol=C1S Complement C1s subcomponent precursor
Gene_Symbol=C5 Complement component 5 variant (Fragment)
Gene_Symbol=C6orf15 Uncharacterized protein C6orf15 precursor
Gene_Symbol=CA6 Carbonic anhydrase 6 precursor
Gene_Symbol=CALCA Isoform 1 of Calcitonin precursor
Gene_Symbol=CALR Calreticulin precursor
Gene_Symbol=CCDC80 steroid-sensitive protein 1
Gene_Symbol=CCL2 Small inducible cytokine A2 precursor
Gene_Symbol=CES1 Isoform 2 of Liver carboxylesterase 1 precursor
Gene_Symbol=CFD complement factor D preproprotein
Gene_Symbol=CFH Isoform 1 of Complement factor H precursor
Gene_Symbol=CHGA chromogranin A precursor
Gene_Symbol=CHGB Secretogranin-1 precursor
Gene_Symbol=CHID1 Isoform 2 of Chitinase domain-containing protein 1 precursor
Gene_Symbol=CHL1 Isoform 1 of Neural cell adhesion molecule L1-like protein precursor
Gene_Symbol=CHL1 Isoform 2 of Neural cell adhesion molecule L1-like protein precursor

Gene_Symbol=CHRD1 Ventroptin (Fragment)
Gene_Symbol=CILP2 Similar to Cartilage intermediate layer protein
Gene_Symbol=CLEC11A C-type lectin domain family 11 member A precursor
Gene_Symbol=CLU Clusterin precursor
Gene_Symbol=COCH Cochlin precursor
Gene_Symbol=COL12A1 316 kDa protein
Gene_Symbol=COL12A1 Isoform Long of Collagen alpha-1(XII) chain precursor
Gene_Symbol=COL18A1 alpha 1 type XVIII collagen isoform 1 precursor
Gene_Symbol=COL4A1 Collagen alpha-1(IV) chain precursor
Gene_Symbol=COL4A2 Collagen alpha-2(IV) chain precursor
Gene_Symbol=COL4A6 Isoform B of Collagen alpha-6(IV) chain precursor
Gene_Symbol=COL5A1 Collagen alpha-1(V) chain precursor
Gene_Symbol=COL5A2 alpha 2 type V collagen preproprotein
Gene_Symbol=COL6A1 Collagen alpha-1(VI) chain precursor
Gene_Symbol=COL6A2 Isoform 2C2A of Collagen alpha-2(VI) chain precursor
Gene_Symbol=COL8A1 Cell proliferation-inducing protein 41
Gene_Symbol=COPA Coatamer subunit alpha
Gene_Symbol=CRH Corticoliberin precursor
Gene_Symbol=CRIM1 Cysteine-rich motor neuron 1 protein precursor
Gene_Symbol=CRISPLD1 Cysteine-rich secretory protein LCCL domain-containing 1 precursor
Gene_Symbol=CRLF1 Cytokine receptor-like factor 1 precursor
Gene_Symbol=CRTAP Cartilage-associated protein precursor
Gene_Symbol=CSF1 Isoform 1 of Macrophage colony-stimulating factor 1 precursor
Gene_Symbol=CST1 Cystatin-SN precursor
Gene_Symbol=CST3 Cystatin-C precursor
Gene_Symbol=CTGF Isoform 1 of Connective tissue growth factor precursor
Gene_Symbol=CTHRC1 Isoform 1 of Collagen triple helix repeat-containing protein 1 precursor
Gene_Symbol=CTSD Cathepsin D precursor
Gene_Symbol=CTSL1 Cathepsin L precursor
Gene_Symbol=CXCL1 Growth-regulated protein alpha precursor
Gene_Symbol=CXCL14 small inducible cytokine B14 precursor
Gene_Symbol=CXCL5 Small inducible cytokine B5 precursor
Gene_Symbol=CYR61 CYR61 protein
Gene_Symbol=CYR61 Protein CYR61 precursor
Gene_Symbol=DAG1 Dystroglycan precursor
Gene_Symbol=DKK1 Dickkopf-related protein 1 precursor
Gene_Symbol=DNAJC10 DnaJ homolog subfamily C member 10
Gene_Symbol=ECM1 Extracellular matrix protein 1 precursor
Gene_Symbol=EDIL3 Isoform 1 of EGF-like repeat and discoidin I-like domain-containing protein 3 precursor
Gene_Symbol=EFEMP1 Isoform 1 of EGF-containing fibulin-like extracellular matrix protein 1 precursor
Gene_Symbol=EFNA5 Ephrin-A5 precursor
Gene_Symbol=ESM1 Endothelial cell-specific molecule 1 precursor
Gene_Symbol=F10 Coagulation factor X precursor
Gene_Symbol=FAM20B Protein FAM20B precursor
Gene_Symbol=FAM3B 28 kDa protein
Gene_Symbol=FAM3C Protein FAM3C precursor
Gene_Symbol=FBLN1 Isoform C of Fibulin-1 precursor
Gene_Symbol=FBLN1 Isoform D of Fibulin-1 precursor
Gene_Symbol=FBLN2 fibulin 2 precursor, isoform a
Gene_Symbol=FBLN2 Fibulin-2 precursor
Gene_Symbol=FBN1 Fibrillin-1 precursor
Gene_Symbol=FBN2 fibrillin 2 precursor
Gene_Symbol=FGF19 Fibroblast growth factor 19 precursor
Gene_Symbol=FGFBP1 Fibroblast growth factor-binding protein 1 precursor
Gene_Symbol=FN1 fibronectin 1 isoform 2 preproprotein
Gene_Symbol=FN1 Isoform 1 of Fibronectin precursor

Gene_Symbol=FRAS1 Isoform 2 of Extracellular matrix protein FRAS1 precursor
Gene_Symbol=FREM2 Isoform 1 of FRAS1-related extracellular matrix protein 2 precursor
Gene_Symbol=FST Isoform 1 of Follistatin precursor
Gene_Symbol=FSTL1 Follistatin-related protein 1 precursor
Gene_Symbol=FSTL3 Follistatin-related protein 3 precursor
Gene_Symbol=FSTL4 Isoform 1 of Follistatin-related protein 4 precursor
Gene_Symbol=FSTL4 Isoform 2 of Follistatin-related protein 4 precursor
Gene_Symbol=FSTL5 Follistatin-related protein 5 precursor
Gene_Symbol=FUCA2 Plasma alpha-L-fucosidase precursor
Gene_Symbol=GAL Galanin precursor
Gene_Symbol=GAS6 Isoform 2 of Growth-arrest-specific protein 6 precursor
Gene_Symbol=GCG Glucagon precursor
Gene_Symbol=GDF15 Growth/differentiation factor 15 precursor
Gene_Symbol=GLA Alpha-galactosidase A precursor
Gene_Symbol=GPC1 Glypican-1 precursor
Gene_Symbol=GPC4 Glypican-4 precursor
Gene_Symbol=GPC6 Glypican-6 precursor
Gene_Symbol=GPI Glucose-6-phosphate isomerase
Gene_Symbol=GPX3 Glutathione peroxidase 3 precursor
Gene_Symbol=GREM2 Gremlin-2 precursor
Gene_Symbol=GRN Isoform 1 of Granulins precursor
Gene_Symbol=GRP Isoform 1 of Gastrin-releasing peptide precursor
Gene_Symbol=GRP Isoform 2 of Gastrin-releasing peptide precursor
Gene_Symbol=GSN Isoform 1 of Gelsolin precursor
Gene_Symbol=HDGF Hepatoma-derived growth factor
Gene_Symbol=HSPG2 Basement membrane-specific heparan sulfate proteoglycan core protein precursor
Gene_Symbol=HTRA1 Serine protease HTRA1 precursor
Gene_Symbol=HYAL1 Isoform 2 of Hyaluronidase-1 precursor
Gene_Symbol=IDE Insulin-degrading enzyme
Gene_Symbol=IGF1 Insulin-like growth factor IB precursor
Gene_Symbol=IGFBP2 Insulin-like growth factor-binding protein 2 precursor
Gene_Symbol=IGFBP3 insulin-like growth factor binding protein 3 isoform a precursor
Gene_Symbol=IGFBP3 Insulin-like growth factor-binding protein 3 precursor
Gene_Symbol=IGFBP5 Insulin-like growth factor-binding protein 5 precursor
Gene_Symbol=IGFBP6 Insulin-like growth factor-binding protein 6 precursor
Gene_Symbol=IGFBP7 Insulin-like growth factor-binding protein 7 precursor
Gene_Symbol=IGFBPL1 Insulin-like growth factor binding protein-like 1
Gene_Symbol=IL17C Interleukin-17C precursor
Gene_Symbol=IL6 Interleukin-6 precursor
Gene_Symbol=ISG15 Interferon-induced 17 kDa protein precursor
Gene_Symbol=JAG1 Jagged-1 precursor
Gene_Symbol=KLK11 Isoform 1 of Kallikrein-11 precursor
Gene_Symbol=KLK14 kallikrein 14 preproprotein
Gene_Symbol=LAMA1 Laminin subunit alpha-1 precursor
Gene_Symbol=LAMA2 laminin alpha 2 subunit isoform b precursor
Gene_Symbol=LAMA5 400 kDa protein
Gene_Symbol=LAMA5 Laminin subunit alpha-5 precursor
Gene_Symbol=LAMB1 Laminin subunit beta-1 precursor
Gene_Symbol=LAMB2 Laminin subunit beta-2 precursor
Gene_Symbol=LAMC1 Laminin subunit gamma-1 precursor
Gene_Symbol=LCN1 Lipocalin-1 precursor
Gene_Symbol=LFNG Isoform 1 of Beta-1,3-N-acetylglucosaminyltransferase lunatic fringe
Gene_Symbol=LGALS1 Galectin-1
Gene_Symbol=LGALS3 Galectin-3
Gene_Symbol=LGALS3BP Galectin-3-binding protein precursor
Gene_Symbol=LIPG Isoform 1 of Endothelial lipase precursor

Gene_Symbol=LOXL2 Lysyl oxidase-like 2 variant
Gene_Symbol=LOXL2;ENTPD4 Lysyl oxidase homolog 2 precursor
Gene_Symbol=LGBP3 Isoform 1 of Latent-transforming growth factor beta-binding protein 3 precursor
Gene_Symbol=LUM Lumican precursor
Gene_Symbol=MAP2K1 Dual specificity mitogen-activated protein kinase kinase 1
Gene_Symbol=MATN2 Isoform 2 of Matrilin-2 precursor
Gene_Symbol=MATN3 Matrilin-3 precursor
Gene_Symbol=MDK Midkine precursor
Gene_Symbol=MFAP2 Microfibrillar-associated protein 2 precursor
Gene_Symbol=MGAT4A mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isoenzyme A
Gene_Symbol=MIF Macrophage migration inhibitory factor
Gene_Symbol=MMP1 Interstitial collagenase precursor
Gene_Symbol=MMP10 Stromelysin-2 precursor
Gene_Symbol=MMP11 Stromelysin-3 precursor
Gene_Symbol=MMP2 72 kDa type IV collagenase precursor
Gene_Symbol=NELL1 Protein kinase C-binding protein NELL1 precursor
Gene_Symbol=NELL2 Cerebral protein-12
Gene_Symbol=NENF Neudesin precursor
Gene_Symbol=NID1 Isoform 1 of Nidogen-1 precursor
Gene_Symbol=NID2 Nidogen-2 precursor
Gene_Symbol=NMB Isoform 1 of Neuromedin-B precursor
Gene_Symbol=NOV Protein NOV homolog precursor
Gene_Symbol=NPC2 Epididymal secretory protein E1 precursor
Gene_Symbol=NPTX2 Neuronal pentraxin-2 precursor
Gene_Symbol=NTN4 Isoform 3 of Netrin-4 precursor
Gene_Symbol=NUCB1 Nucleobindin-1 precursor
Gene_Symbol=NUCB2 Nucleobindin-2 precursor
Gene_Symbol=OLFML3 Isoform 1 of Olfactomedin-like protein 3 precursor
Gene_Symbol=P4HB Protein disulfide-isomerase precursor
Gene_Symbol=PAPPA Pappalysin-1 precursor
Gene_Symbol=PCOLCE Procollagen C-endopeptidase enhancer 1 precursor
Gene_Symbol=PCOLCE2 Procollagen C-endopeptidase enhancer 2 precursor
Gene_Symbol=PCK1N ProSAAS precursor
Gene_Symbol=PCK2 Neuroendocrine convertase 2 precursor
Gene_Symbol=PCK5 Proprotein convertase subtilisin/kexin type 5
Gene_Symbol=PCK9 Isoform 1 of Proprotein convertase subtilisin/kexin type 9 precursor
Gene_Symbol=PDGFC platelet-derived growth factor C precursor
Gene_Symbol=PDGFR Platelet-derived growth factor receptor-like protein precursor
Gene_Symbol=PENK Proenkephalin A precursor
Gene_Symbol=PLA2G3 Group 3 secretory phospholipase A2 precursor
Gene_Symbol=PLA2G7 Platelet-activating factor acetylhydrolase precursor
Gene_Symbol=PLAT Isoform 1 of Tissue-type plasminogen activator precursor
Gene_Symbol=PLAU Urokinase-type plasminogen activator precursor
Gene_Symbol=PLG Plasminogen precursor
Gene_Symbol=PLTP Isoform 1 of Phospholipid transfer protein precursor
Gene_Symbol=POSTN Isoform 1 of Periostin precursor
Gene_Symbol=PPT1 Palmitoyl-protein thioesterase 1
Gene_Symbol=PPT1 Palmitoyl-protein thioesterase 1 precursor
Gene_Symbol=PROM1 Prominin-1 precursor
Gene_Symbol=PROS1 Vitamin K-dependent protein S precursor
Gene_Symbol=PRSS1 Trypsin-1 precursor
Gene_Symbol=PRSS2 Protease serine 2 isoform B
Gene_Symbol=PSAP Isoform Sap-mu-0 of Proactivator polypeptide precursor
Gene_Symbol=PSAP Isoform Sap-mu-9 of Proactivator polypeptide precursor
Gene_Symbol=PTPRZ1 protein tyrosine phosphatase, receptor-type, zeta1 precursor
Gene_Symbol=PTX3 Pentraxin-related protein PTX3 precursor

Gene_Symbol=PVR Isoform Beta of Poliovirus receptor precursor
Gene_Symbol=PVR Isoform Gamma of Poliovirus receptor precursor
Gene_Symbol=RNASE4 Ribonuclease 4 precursor
Gene_Symbol=RNASE4;ANG Angiogenin precursor
Gene_Symbol=RNASET2 Isoform 1 of Ribonuclease T2 precursor
Gene_Symbol=RNPEP 68 kDa protein
Gene_Symbol=RNPEP Aminopeptidase B
Gene_Symbol=RTBDN retbindin isoform 2
Gene_Symbol=SCG2 Secretogranin-2 precursor
Gene_Symbol=SCG3 Secretogranin-3 precursor
Gene_Symbol=SCG5 Isoform 1 of Neuroendocrine protein 7B2 precursor
Gene_Symbol=SCPEP1 Isoform 1 of Retinoid-inducible serine carboxypeptidase precursor
Gene_Symbol=SCUBE1 Signal peptide, CUB and EGF-like domain-containing protein 1 precursor
Gene_Symbol=SCYE1 37 kDa protein
Gene_Symbol=SCYE1 Multisynthetase complex auxiliary component p43
Gene_Symbol=SDF2 Stromal cell-derived factor 2 precursor
Gene_Symbol=SECTM1 Secreted and transmembrane protein 1 precursor
Gene_Symbol=SEMA3A Semaphorin-3A precursor
Gene_Symbol=SEMA3C Semaphorin-3C precursor
Gene_Symbol=SEMA3E Semaphorin-3E precursor
Gene_Symbol=SEMA7A Semaphorin-7A precursor
Gene_Symbol=SERPINA1 Alpha-1-antitrypsin precursor
Gene_Symbol=SERPINB2 Plasminogen activator inhibitor 2 precursor
Gene_Symbol=SERPINB5 Serpin B5 precursor
Gene_Symbol=SERPINE2 Glia-derived nexin precursor
Gene_Symbol=SERPINF1 Pigment epithelium-derived factor precursor
Gene_Symbol=SERPING1 Plasma protease C1 inhibitor precursor
Gene_Symbol=SERPINI1 Neuroserpin precursor
Gene_Symbol=SFN Isoform 1 of 14-3-3 protein sigma
Gene_Symbol=SFRP1 Secreted frizzled-related protein 1 precursor
Gene_Symbol=SHH Sonic hedgehog protein precursor
Gene_Symbol=SLIT3 Isoform 1 of Slit homolog 3 protein precursor
Gene_Symbol=SLPI Antileukoproteinase precursor
Gene_Symbol=SMOC1 Isoform 1 of SPARC-related modular calcium-binding protein 1 precursor
Gene_Symbol=SMOC1 Isoform 2 of SPARC-related modular calcium-binding protein 1 precursor
Gene_Symbol=SMOC2 Isoform 1 of SPARC-related modular calcium-binding protein 2 precursor
Gene_Symbol=SMOC2 Isoform 2 of SPARC-related modular calcium-binding protein 2 precursor
Gene_Symbol=SPINT1 Isoform 1 of Kunitz-type protease inhibitor 1 precursor
Gene_Symbol=SPINT1 Isoform 2 of Kunitz-type protease inhibitor 1 precursor
Gene_Symbol=SPOCK1 Testican-1 precursor
Gene_Symbol=SPOCK2 Testican-2 precursor
Gene_Symbol=SPP1 Isoform A of Osteopontin precursor
Gene_Symbol=SPP1 secreted phosphoprotein 1 isoform b
Gene_Symbol=SRGN Secretory granule proteoglycan core protein precursor
Gene_Symbol=SRPX2 Sushi repeat-containing protein SRPX2 precursor
Gene_Symbol=ST14 Suppressor of tumorigenicity protein 14
Gene_Symbol=STC1 Stanniocalcin-1 precursor
Gene_Symbol=STC2 Stanniocalcin-2 precursor
Gene_Symbol=TCN2 Transcobalamin-2 precursor
Gene_Symbol=TFPI Isoform Alpha of Tissue factor pathway inhibitor precursor
Gene_Symbol=TFPI2 Tissue factor pathway inhibitor 2 precursor
Gene_Symbol=TFRC Transferrin receptor protein 1
Gene_Symbol=TGFB1 Transforming growth factor beta-1 precursor
Gene_Symbol=TGFB2 Isoform A of Transforming growth factor beta-2 precursor
Gene_Symbol=TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor
Gene_Symbol=THBS1 Thrombospondin-1 precursor

Gene_Symbol=THBS3 Thrombospondin-3 precursor
Gene_Symbol=TIMP1 Metalloproteinase inhibitor 1 precursor
Gene_Symbol=TIMP2 22 kDa protein
Gene_Symbol=TIMP2 Metalloproteinase inhibitor 2 precursor
Gene_Symbol=TINAGL1 Isoform 1 of Tubulointerstitial nephritis antigen-like precursor
Gene_Symbol=TNC Isoform 1 of Tenascin precursor
Gene_Symbol=TNFRSF11B Tumor necrosis factor receptor superfamily member 11B precursor
Gene_Symbol=TNFRSF1A Tumor necrosis factor receptor superfamily member 1A precursor
Gene_Symbol=TPT1 Tumor protein, translationally-controlled 1
Gene_Symbol=TSKU Tsukushi precursor
Gene_Symbol=TWG1 Isoform 1 of Twisted gastrulation protein homolog 1 precursor
Gene_Symbol=VCAN Isoform V0 of Versican core protein precursor
Gene_Symbol=VGF VGF nerve growth factor inducible precursor
Gene_Symbol=VIT Hypothetical protein VIT (vitrin)
Gene_Symbol=WFDC2 Isoform 1 of WAP four-disulfide core domain protein 2 precursor
Gene_Symbol=WIF1 Wnt inhibitory factor 1 precursor
Gene_Symbol=WISP2 WNT1-inducible-signaling pathway protein 2 precursor
Gene_Symbol=WNT5A Protein Wnt-5a precursor
Gene_Symbol=YARS Tyrosyl-tRNA synthetase, cytoplasmic

ie 4 lung cancer cell lines H520, H23, H460 and H1688 from Mascot and



Number of similar matches	Accession numbers	Protein molecular weight (AMU)
1	IPI00169276	26521.2
1	IPI00005908	105339.7
1	IPI00036578	177655.6
1	IPI00152639	134043.9
1	IPI00157513	75531.6
1	IPI00790458	116265.1
1	IPI00000027	18818.2
1	IPI00007427	22220.9
1	IPI00374563	214820
1	IPI00032220	53136.8
2	IPI00413641,IPI00556258	35835.9
2	IPI00022434,IPI00745872	71686.9
1	IPI00022426	38981.6
2	IPI00153060,IPI00740170	45196
1	IPI00418169	40395.3
1	IPI00514157	26668.3
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1	IPI00021842	36135.5
4	IPI00006608,IPI00219187,IPI00412681,IPI00412924	86923.3
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1	IPI00025864	72867.4
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1	IPI00012236	13285.2
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1	IPI00296165	80156.7
1	IPI00017696	76666.2
1	IPI00816741	123335.5
1	IPI00022381	34205
1	IPI00295105	35348.8
1	IPI00000914	15449.8
1	IPI00020599	48124.9
1	IPI00260630	108158.4
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1	IPI00165972	27014.4
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1	IPI00828195	153749.1
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1	IPI00477611	183593.6
1	IPI00748917	144891.6
1	IPI00291136	108513
2	IPI00220613,IPI00304840	97402.5
1	IPI00219000	73437.6
1	IPI00295857	138317.2
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1	IPI00470919	266182.2
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1	IPI00008087	95734.2
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1	IPI00026637	13285.3
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1	IPI00783665	399725.1
1	IPI00013976	198045.3
1	IPI00296922	196057.1
1	IPI00298281	177587.1
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1	IPI00219219	14697.8
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1	IPI00010333	15567.3
2	IPI00022621,IPI00644827	20807.2
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1	IPI00293276	12458.5
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1	IPI00013405	54135
1	IPI00306778	54600.9
1	IPI00027780	73867.1
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