



Recombinant Human Eukaryotic translation initiation factor 2D (EIF2D)

Product Code	CSB-MP012909HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P41214
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MFAKAFRVKS NTAIKGSDRR KLRADVTTAF PTLGTDQVSE LVPGKEELNI VKLYAHKGDA VTVYVSGGNP ILFELEKNLY PTVYTLWSYP DLLPTFTTWP LVLEKLVGGA DLMLPGLVMP PAGLPQVQKG DLCAISLVGN RAPVAIGVAA MSTAEMLTSG LKGRGFSVLH TYQDHLWRSG NKSSPPSIAP LALDSADLSE EKGSVQMDST LQGD MRHMTL EGEEENGEVH QAREDKSLSE APEDTSTRGL NQDSTDSKTL QEQMDELLQQ CFLHALKCRV KKADLPLLTS TFLGSHMFSC CPEGRQLDIK KSSYKLSKF LQQMQEQII QVKELSKGVE SIVAVDWKHP RITSFVIPEP SPTSQTIQEG SREQPYHPPD IKPLYCVPAS MTLLFQESGH KKG SFLEGSE VRTIVINYAK KNDLVDADNK NLVRLDPILC DCILEKNEQH TVMKLPWDSL LTRCLEKLQP AYQVTLPGQE PIVKKGRICP IDITLAQRAS NKKVTVVRNL EAYGLDPYSV AAILQQRCQA STTVNPAPGA KDSLQVQIQG NQVHHLGWLL LEEYQLPRKH IQGLEKALKP GK KK
Source	Mammalian cell
Target Names	EIF2D
Protein Names	Recommended name: Eukaryotic translation initiation factor 2D Short name= eIF2d Alternative name(s): Hepatocellular carcinoma-associated antigen 56 Ligatin
Expression Region	1-584
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	This gene encodes a protein receptor that localizes phosphoglycoproteins within endosomes and at the cell periphery. This trafficking receptor for phosphoglycoproteins may play a role in neuroplasticity by modulating cell-cell interactions, intracellular adhesion, and protein binding at membrane surfaces. In hippocampal neurons, long-lasting down-regulation of ligatin mRNA levels occurs via post-transcriptional RNA processing following glutamate receptor activation. This protein contains single PUA and SUI1 domains and these domains may function in RNA binding and translation initiation, respectively.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the



contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.