

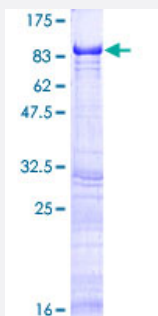
Full-Length

EIF2D (Human) Recombinant Protein (P01)

Catalog # H00001939-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human EIF2D full-length ORF (NP_008824.2, 1 a.a. - 584 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MFAKAFRVKSNTAIKGSDDRRKLRAVDVTTAFPTLGTQVSELVPGKEELNVKLYAHKGDAVTYVS
GGNPILFELEKNLYPTVYTLWSYPDLLPTFTTWPLVLEKLVGGADLMLPGLVMPPAGLPQVQKGD
LCAISLVGNRAPVAIGVAAMSTAEMLTSGLKGRGFSVLHTYQDHLWRSGNKSSPPSIAPLALDSA
DLSEKGSVQMDSTLQGDMRHMTLEGEENGVEVHQAREDKSLSEAPEDTSTRGLNQDSTD
TLQEQMDELLQQCFHLALKCRVKKADLPLLTSTFLGSHMFSCCPEGRQLDIKKSSYKKLSKFLQQ
MQQEQIIQVKELSKGVESIVADWVKHPRITSFVPEPSPSTQTIQEGSREQPYHPPDIKPLYCVPAS
MTLLFQESGHKKGSFLEGSEVRTIVINYAKKNDLVDADNKNLVRLDPILCDCILEKNEQHTVMKLP
WDSLLTRCLEKLQPAYQVTLPGQEPVKKGRICPIDITLAQRASNKKVTVVRNLEAYGLDPYSVAAIL
QQRCQASTTVNPAPGAKDSLQVQIQGNQVHHLGWLLLEEQQLPRKHIQGLEKALKPGKKK

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

91.1

Interspecies Antigen Sequence

Mouse (81); Rat (81)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — EIF2D

Entrez GeneID	1939
GeneBank Accession#	NM_006893.2
Protein Accession#	NP_008824.2
Gene Name	EIF2D
Gene Alias	LGTN; HCA56
Gene Description	eukaryotic translation initiation factor 2D
Omim ID	151625
Gene Ontology	Hyperlink

Gene Summary	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. [provided by RefSeq]
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Other Designations	Hepatocellular carcinoma-associated antigen 56 OTTHUMP00000034537
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