

Recombinant Full Length Human EIF2D Protein, GST-tagged

Cat. No. EIF2D-4573HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human EIF2D full-length ORF (NP_008824.2, 1 a.a. - 584 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
Protein Length	584 amino acids
Description	This gene encodes a translation initiation factor involved in the recruitment and delivery of aminoacyl-tRNAs to the P-site of the eukaryotic ribosome in a GTP-independent manner. This gene was previously referred to as ligatin, but is now known to localize to the cytoplasm and localize and function with translation factors. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2011]
Molecular Mass	91.1 kDa
AA Sequence	MFAKAFRVKSNTAIKGSRRRKLRAVTTAFPTLGTQVSELVPGKEELNIVKLYAHK GDAVTVYVSGGNPILFELEKNLYPTVYTLWSYPDLLPTFTTWPLVLEKLVGGADLML PGLVMPPAGLPQVQKGDLCALSLVGNRAPVAIGVAAMSTAEMLTSGLKGRGFSVLH TYQDHLWRSGNKSSPPSIAPLALDSADLSEEKGSVQMDSTLQGDMRHMTLEGE NGEVHQAREDKSLSEAPEDTSTRGLNQDSTDSKTLQEQMDELLQQCFHALKCRV KKADLPLLTSTFLGSHMFSCCPEGRQLDIKKSSYKLSKFLQMQQEIIQVKELSK GVESIVAVDWKHPRITSFVIPEPSPTSQTIQEGSREQPYHPPDIKPLYCVPASMTLLF

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QESGHKKGSFLEGSEVRTIVINYAKKNDLVDADNKNLVRLDPILCDCILEKNEQHTVM
 KLPWDSLLTRCLEKLQPAYQVTLPGQEPIVKKGRICPIDITLAQRASNKKVTVVRNLE
 AYGLDPYSVAAILQQRCQASTTVNPAPGAKDSLQVQIQGNQVHHLGWLLLEEYQLP
 RKHIQGLEKALKPGKKK

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	EIF2D eukaryotic translation initiation factor 2D [Homo sapiens]
Official Symbol	EIF2D
Synonyms	EIF2D; eukaryotic translation initiation factor 2D; LGTN; ligatin; hepatocellular carcinoma-associated antigen 56; HCA56;
Gene ID	1939
mRNA Refseq	NM_001201478
Protein Refseq	NP_001188407

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MIM	613709
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UniProt ID	P41214
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