

Datasheet for ABIN7553768
EIF2D Protein (AA 1-584) (His tag)



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Overview

Quantity:	1 mg
Target:	EIF2D
Protein Characteristics:	AA 1-584
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EIF2D protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant EIF2D Protein expressed in mammalian cells.
Sequence:	<p>MFAKAFRVKS NTAIKGSDRR KLRADVTTAF PTLGTDQVSE LVPGKEELNI VKLYAHKGDA VTVYVSGGNP ILFELEKNLY PTVYTLWSYP DLLPTFTTWP LVLEKLVGGA DLMLPGLVMP PAGLPQVQKG DLCAISLVGN RAPVAIGVAA MSTAEMLTSG LKGRGFSVLH TYQDHLWRSG NKSSPPSIAP LALDSADLSE EKGSVQMDST LQGDMRHMTL EGEEENGEVH QAREDKSLSE APEDTSTRGL NQDSTDSKTL QEQMDELLQQ CFLHALKCRV KKADLPLLS TFLGSHMFSC CPEGRQLDIK KSSYKLSKF LQQMQEQII QVKELSKGVE SIVAVDWKHP RITSFVIPEP SPTSQTIQEG SREQPYHPPD IKPLYCVPAS MTLFQESGH KKGFLGSE VRTIVINYAK KNDLVDADNK NLVRLDPILC DCILEKNEQH TVMKLPWDSL LTRCLEKLQP AYQVTLPGQE PIVKKGRICP IDITLAQRAS NKKVTVVRNL EAYGLDPYSV AAILQQRCA STTVNPAPGA KDSLQVQIQG NQVHHLGWLL LEEYQLPRKH IQGLEKALKP GKKK Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special</p>

Product Details

request, please contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: EIF2D

Alternative Name: EIF2D ([EIF2D Products](#))

Background: Eukaryotic translation initiation factor 2D (eIF2d) (Hepatocellular carcinoma-associated antigen 56) (Ligatin),FUNCTION: Translation initiation factor that is able to deliver tRNA to the P-site of the eukaryotic ribosome in a GTP-independent manner. The binding of Met-tRNA(I) occurs after the AUG codon finds its position in the P-site of 40S ribosomes, the situation that takes place during initiation complex formation on some specific RNAs. Its activity in tRNA binding with 40S subunits does not require the presence of the aminoacyl moiety. Possesses the unique ability to deliver non-Met (elongator) tRNAs into the P-site of the 40S subunit. In addition to its role in initiation, can promote release of deacylated tRNA and mRNA from recycled 40S subunits following ABCE1-mediated dissociation of post-termination ribosomal complexes into subunits. {ECO:0000269|PubMed:20566627, ECO:0000269|PubMed:20713520}.

Target Details

Molecular Weight: 64.7 kDa

UniProt: [P41214](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months