

Datasheet for ABIN7563909  
**EIF2D Protein (AA 1-570) (His tag)**



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## Overview

Quantity:	1 mg
Target:	EIF2D
Protein Characteristics:	AA 1-570
Origin:	Mouse
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>MFKAFRVKS NTAIKGSDRR KLRADVTA AF PALGTDQISE LIPGKEELNV VKLYVHKGDS VTVYTSGGNP ILFELEKNLY PTVYTLWAYP DILPTFITWP LVLEKLVGGA DLMLPGVWVP PTGLPQVQQG DLCAIALVGN RAPVAIGVAA MSTAQMLASG LKGKGVSVLH TYQDHLWRSG DKSSPPAIAP LDPTDSCEEK VHLGLQG N LK SLTLDGEEEN GQVPLREASE DTSSRAP SQD SLDGKPLQEQ MDDLLLR CFL HALKSRVKKA DLPLLTSTLL GSHMFSCCPE GQQLDIKKSS YKKLSKFLQH MQQEIVQVK ELSKGVESIV AVDWRHPRIT SFVIPEPSLT SQTVQEV SRE QPYLPPDIKS LYCV PANMTQ LFLESGHKKG STLEGSEVRK IITDYAKRNR LVDADNRNLV KLDPI LCDCI LEKNEQHLVT KLPWDCLLTR CLKNMQPAYQ VTFPGQEPIL KKGKLCPIDI TLALKTYNKK VTVVRNLETY GLDPCSVA AI LQQRCASTI VSPAPGAKDS LQVQVQGNQI HHLGQLLLEE YRLPGKYIQG LEKAPKPGKK <b>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 request, please</b></p>

## Product Details

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### 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

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Target: EIF2D

Alternative Name: Eif2d ([EIF2D Products](#))

Background: Eukaryotic translation initiation factor 2D (eIF2D) (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 (By similarity). {ECO:0000250}.

## Target Details

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Molecular Weight: 62.8 kDa

UniProt: [Q61211](#)

## Application Details

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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

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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