

Datasheet for ABIN7547342
EIF2B3 Protein (AA 1-452) (His tag)



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Overview

Quantity:	1 mg
Target:	EIF2B3
Protein Characteristics:	AA 1-452
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EIF2B3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant EIF2B3 Protein expressed in mammalian cells.
Sequence:	MEFQAVMAV GGGSRMTDLT SSIPKLLPV GNKPLIWYPL NLLERVGFEV VIVVTRDVQ KALCAEFKMK MKPDIVCIPD DADMGTADSL RYIYPKPKTD VLVLSCDLIT DVALHEVVDL FRAYDASLAM LMRKGQDSIE PVPGQKGGKKK AVEQRDFIGV DSTGKRLLFM ANEADLDEEL VIKGSILQKH PRIRFHTGLV DAHLYCLKKY IVDFLMENG SITSIRSELIP YLVRKQFSSA SSQQGQEEKE EDLKKKELKS LDIYSFIKEA NTLNLAPYDA CWNACRGDRW EDLSRSQVRC YVHIMKEGLC SRVSTLGLYM EANRQVPKLL SALCPPEPPV HSSAQIVSKH LVGVDSLIGP ETQIGEKSSI KRSVIGSSCL IKDRVTITNC LLMNSVTVEE GSNIQGSVIC NNAVIEKGAD IKDCLIGSGQ RIEAKAKRVN EVIVGNDQLM EI 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 contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

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:

EIF2B3

Alternative Name:

EIF2B3 ([EIF2B3 Products](#))

Background:

Translation initiation factor eIF2B subunit gamma (eIF2B GDP-GTP exchange factor subunit gamma),FUNCTION: Acts as a component of the translation initiation factor 2B (eIF2B) complex, which catalyzes the exchange of GDP for GTP on the eukaryotic initiation factor 2 (eIF2) complex gamma subunit (PubMed:25858979, PubMed:27023709, PubMed:31048492). Its guanine nucleotide exchange factor activity is repressed when bound to eIF2 complex phosphorylated on the alpha subunit, thereby limiting the amount of methionyl-initiator methionine tRNA available to the ribosome and consequently global translation is repressed (PubMed:25858979, PubMed:31048492). {ECO:0000269|PubMed:25858979, ECO:0000269|PubMed:27023709, ECO:0000269|PubMed:31048492}.

Molecular Weight:

50.2 kDa

UniProt:

[Q9NR50](#)

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
