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Datasheet for ABIN7562829

EIF4A2 Protein (AA 1-407) (His tag)

Overview

Quantity:	1 mg
Target:	EIF4A2
Protein Characteristics:	AA 1-407
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EIF4A2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Eif4a2 Protein expressed in mammalian cells.
Sequence:	<p>MSGGSADYNR EHGPEGM DP DGVIESNWNE IVDNFDDMNL KESLLRGIYA YGFEKPSAIQ QRAIIPCIGK YDVIAQAQSG TGKTATFAIS ILQQLEIEFK ETQALVLAPT RELAAQIQKV ILALGDYMGATCHACIGGTN VRNEMQKLQA EAPHIVVGTP GRVFDMLNRR YLSPKWIKMF VLDEADEMLS RGFKDQIYEI FQKLNTSIQV VLLSATMPTD VLEVTKKFMR DPIRILVKKE ELTLEGIKQF YINVEREEWK LDTLCDLYET LTITQAVIFL NTRRKVDWLT EKM HARDFTV SALHGDMDQK ERDVIMREFR SGSSRVLITT DLLARGIDVQ QVSLVINYDL PTNRENYIHR IGRGGRFGRK GVAINFVTEE DKRILRDIET FYNTTVEEMP MNVADLI 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.</p>
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.

Product Details

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:

EIF4A2

Alternative Name:

Eif4a2 ([EIF4A2 Products](#))

Background:

Eukaryotic initiation factor 4A-II (eIF-4A-II) (eIF4A-II) (EC 3.6.4.13) (ATP-dependent RNA helicase eIF4A-2),FUNCTION: ATP-dependent RNA helicase which is a subunit of the eIF4F complex involved in cap recognition and is required for mRNA binding to ribosome. In the current model of translation initiation, eIF4A unwinds RNA secondary structures in the 5'-UTR of mRNAs which is necessary to allow efficient binding of the small ribosomal subunit, and subsequent scanning for the initiator codon.

Molecular Weight:

46.4 kDa

UniProt:

[P10630](#)

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.

Application Details

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