

Datasheet for ABIN7547294  
**EIF2A Protein (AA 1-585) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	EIF2A
Protein Characteristics:	AA 1-585
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EIF2A protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat EIF2A Protein expressed in mammalien cells.
Sequence:	MAPSTPLLTV RGSEGLYMVN GPPHFTESTV FPRESGKNCK VCIFSKDGTL FAWNGEDEVN IISVTNKGLL HSFDLLKAVC LEFSPKNTVL ATWQPYTTSK DGTAGIPNLQ LYDVKTGTCL KSFQKKMQN WCPSWSEDET LCARNVNEV HFFENNNFNT IANKLHLQKI NDFVLSPPGQ PYKVAVYVPG SKGAPSFVRL YQYPNFAGPH AALANKSFFK ADKVTMLWNK KATAVLVIAS TDVDKTGASY YGEQTLHYIA TNGESAVVQL PKNGPIYDVV WNSSSTEFCA VYGFMPAKAT IFNLKCDPVF DFGTGPRNAA YYSPHGILV LAGFGNLRGQ MEVWDVKNYK LISKPVASDS TYFAWCPDGE HILTATCAPR LRVNNGYKIW HYTGSILHKY DVPSNAELWQ VSWQPFLDGI FPAKTITYQA VPSEVPNEEP KVATAYRPPA LRNKPITNSK LHEEPPQNM KPQSGNDKPL SKTALKNQRK HEAKKAAKQE ARSDKSPDLA PTPAPQSTPR NTVSQSISGD PEIDKKIKNL KKKLKAIQL KEQAATGKQL EKNQLEKIQK ETALLQELED LELGI <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different</b>

**complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

---

### 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, Western Blot

---

### Grade:

custom-made

---

## Target Details

---

### Target:

EIF2A

---

### Alternative Name:

EIF2A ([EIF2A Products](#))

---

### Background:

Eukaryotic translation initiation factor 2A (eIF-2A) (65 kDa eukaryotic translation initiation factor 2A) [Cleaved into: Eukaryotic translation initiation factor 2A, N-terminally processed],FUNCTION: Functions in the early steps of protein synthesis of a small number of specific mRNAs. Acts by directing the binding of methionyl-tRNAi to 40S ribosomal subunits. In contrast to the eIF-2 complex, it binds methionyl-tRNAi to 40S subunits in a codon-dependent manner, whereas the eIF-2 complex binds methionyl-tRNAi to 40S subunits in a GTP-dependent manner. {ECO:0000269|PubMed:12133843}.

---

### Molecular Weight:

65.0 kDa

---

### UniProt:

[Q9BY44](#)

---

### Pathways:

[Ribonucleoprotein Complex Subunit Organization](#), [ER-Nucleus Signaling](#), [Hepatitis C](#),

---

## Target Details

---

Methionine Biosynthetic Process, Ribosome Assembly

## Application Details

---

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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