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Datasheet for ABIN7564285  
**EIF4G3 Protein (AA 1-1579) (His tag)**

## Overview

Quantity:	1 mg
Target:	EIF4G3
Protein Characteristics:	AA 1-1579
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EIF4G3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Eif4g3 Protein expressed in mammalian cells.
Sequence:	MNSQPQARSP FFQRPQIQPP RAAIPNSSPS IRPGVQTPTA VYQANQHIMM VNHLPMYPYV TQGHQYCIPQ YRHSGPPYVG PPQQYPVQPP GPGPFYPPGG PGDFANAYGT PFYPSQPVYQ SAPIIVPTQQ QPPPAKREKK TIRIRDPNQG GKDITEEIMS GGGSRNPTTP IGRPASTPTP PQQLPSQVPE HSPVYGTVE SAHLAASPV TAASDQKQEE KPKPDPVFQS PSTVLRLLVLS GEKKEQAGQM PETAAGEPTP EPPRTSSPTS LPPLARSSLP SPMSAALSSQ PLFTAEDKCE LPSSKEEDAP PVPSPTSCTA ASGSLTDNS DICKKPCSVA PHDSQLISST ILINEMNGVG EKLSAKENTV GMLRQEVLP TLELEILEHP QEELKVECTP TPIAPSMPLPA FSPAPPTPT SPPCPPVLS AAIARSPAVA TEVQRVADEG ESLRTCLSKD AKEMQDKAES ESDGQAEETA DPQSLHSGRS PAPVQTATTA PKSWKKTKEQ TRTPDEVLEA EAEPKAEEL AVDSVLEPEQ EKMSQGFSE RDPSALKRGK AEEGN GEEAE PVRNGAESAS EGGGDN GNSG SADSSADGLT FPFKAESWKP ADTEGKKQYD REFLLDIQFM PACIQKPEGL PPISDVVLDK INQPRLSMRT

LDPRILPRGP DFTPAFADFP RQTPGGRGVP LLNVGPRRSQ PGQRREPRKI ITVSVKEDVH  
LRKAENAWKP SQKRDSHADD PESIKTQELF RKVRSILNKL TPQMFNQLMK QVSALTVDTE  
ERLKGVIDLV FEKAIDEPSF SVAYANMCRC LVTLKVP MAD KPGNTVNF RK LLLNRCQKEF  
EKDKADDDVF EKKQKELEAA SAPEERTRLH DELEEAKDKA RRRSIGNIKF IGELFKLKML  
TEAMHDCVV KLLKNHDEES LECLCRLTT IGKDLDFEKA KPRMDQYFNQ MEKIVKERKT  
SSRIRFMLQD VIDLRLCNWV SRRADQGPKT IEQIHKEAKI EEQEEQRKVQ QLMTKEKRRP  
GVQRVDEGGW NTVQGA KNSR VLDPSKFLKI TKPTIDEKIQ LVPKAQLGSW GKGSSGGAKA  
SESDALRSSA SSLNRF SPLQ PPAPSGPSA TPLEFDSRRA LTRSGSMGRE KSDKPIAGT  
ARPNTFLRGS SKDLLDNQSQ EEQRREMLET VKQLTGGLDA ERASTEADRS KTRELAKSEM  
CAVPAPDKPA LSEEEVERKS KSIIDEFLHI NDFKEATQCI EELSAQGPHL VFKVGVVEFT  
LERSQITRDH MGHLLYQLVQ SEKLSKQDF KGFSETLELA DDMAIDIPHI WLYLAELVTP  
MLKEGGISMR ELIVEFSKPL LPVGRAGVLL SEILHLLCRQ MSHKKV GALW READLSWKDF  
LPEGEDVHHF LLEQKLD FTE SEGPCSSEAL SKKELSAEEL SQRLEKLIME EKADDERIFD  
WVEANLDESQ MSSPTFLRAL MTAVCKAAII ADCSTFRVDT AVIKQRPIL LKYLDSDEK  
ELQALYALQA SIVKLDQPAN LLRMFFDCLY DEEVISED AF YKWESSKDPA EQAGKGVALK  
SVTAFFT WLR EAEEESEDN **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.**

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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.

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Purity: > 90 % as determined by Bis-Tris Page, Western Blot

Grade: custom-made

## Target Details

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Target:	EIF4G3
Alternative Name:	Eif4g3 ( <a href="#">EIF4G3 Products</a> )
Background:	Eukaryotic translation initiation factor 4 gamma 3 (eIF-4-gamma 3) (eIF-4G 3) (eIF4G 3) (eIF-4-gamma II) (eIF4GII),FUNCTION: Component of the protein complex eIF4F, which is involved in the recognition of the mRNA cap, ATP-dependent unwinding of 5'-terminal secondary structure and recruitment of mRNA to the ribosome (PubMed:35951695). Functional homolog of EIF4G1 (PubMed:35951695). {ECO:0000269 PubMed:35951695}.
Molecular Weight:	174.9 kDa
UniProt:	<a href="#">Q80XI3</a>

## Application Details

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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

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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