Datasheet for ABIN7564070

EIF4G1 Protein (AA 1-1600) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	EIF4G1
Protein Characteristics:	AA 1-1600
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EIF4G1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Eif4g1 Protein expressed in mammalian cells.
Sequence:	MNKAPQPTGP PPARSPGLPQ PAFPPGQTAP VVFSTPQATQ MNTPSQPRQG GFRSLQHFYP SRAQPPSSAA SRVQSAAPAR PGPAPHVYPA GSQVMMIPSQ ISYSASQGAY YIPGQGRSTY VVPTQQYPVQ PGAPGFYPGA SPTEFGTYAG AYYPAQGVQQ FPASVAPAPV LMNQPPQIAP KRERKTIRIR DPNQGGKDIT EEIMSGARTA STPTPPQTGG SLEPQPNGES PQVAVIIRPD DRSQGAAIGG RPGLPGPEHS PGTESQPSSP SPTPSPPPIL EPGSESNLGV LSIPGDTMTT GMIPMSVEES TPISCETGEP YCLSPEPTLA EPILEVEVTL SKPIPESEFS SSPLQVSTAL VPHKVETHEP NGVIPSEDLE PEVESSTEPA PPPLSPCASE SLVPIAPTAQ PEELLNGAPS PPAVDLSPVS EPEEQAKKVS SAALASILSP APPVAPSDTS PAQEEEMEED DDDEEGGEAE SEKGGEDVPL DSTPVPAQLS QNLEVAAATQ VAVSVPKRRR KIKELNKKEA VGDLLDAFKE VDPAVPEVEN QPPTGSNPSP ESEGSMVPTQ PEETEETWDS KEDKIHNAEN IQPGEQKYEY KSDQWKPLNL EEKKRYDREF LLGFQFIFAS MQKPEGLPHI TDVVLDKANK TPLRQLDPSR LPGINCGPDF TPSFANLGRP ALSNRGPPRG GPGGELPRGP AGLGPRRSQQ GPRKETRKII

	SSVIMTEDIK LNKAEKAWKP SSKRTAADKD RGEEDADGSK TQDLFRRVRS ILNKLTPQMF QQLMKQVTQL AIDTEERLKG VIDLIFEKAI SEPNFSVAYA NMCRCLMALK VPTTEKPTVT VNFRKLLLNR CQKEFEKDKD DDEVFEKKQK EMDEAATAEE RGRLKEELEE ARDIARRRSL GNIKFIGELF KLKMLTEAIM HDCVVKLLKN HDEESLECLC RLLTTIGKDL DFAKAKPRMD QYFNQMEKII KEKKTSSRIR FMLQDVLDLR QSNWVPRRGD QGPKTIDQIH KEAEMEEHRE HIKVQQLMAK GSDKRRGGPP GPPINRGLPL VDDGGWNTVP ISKGSRPIDT SRLTKITKPG SIDSNNQLFA PGGRLSWGKG SSGGSGAKPS DTASEATRPA TLNRFSALQQ TLPAENTDNR RVVQRSSLSR ERGEKAGDRG DRLERSERGG DRGDRLDRAR TPATKRSFSK EVEERSRERP SQPEGLRKAA SLTEDRGRDP VKREATLPPV SPPKAALSVD EVEKKSKAII EEYLHLNDMK EAVQCVQELA SPSLLFIFVR LGIESTLERS TIAREHMGRL LHQLLCAGHL STAQYYQGLY ETLELAEDME IDIPHVWLYL AELITPILQE DGVPMGELFR EITKPLRPMG KATSLLLEIL GLLCKSMGPK KVGMLWREAG LSWREFLAEG QDVGSFVAEK KVEYTLGEES EAPGQRTLAF EELRRQLEKL LKDGGSNQRV FDWIDANLNE QQIASNTLVR ALMTTVCYSA IIFETPLRVD VQVLKVRARL LQKYLCDEQK ELQALYALQA LVVTLEQPAN LLRMFFDALY DEDVVKEDAF YSWESSKDPA EQQGKGVALK SVTAFFNWLR EAEDEESDHN **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 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.

Product Details

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	EIF4G1
Alternative Name:	Eif4g1 (EIF4G1 Products)
Background:	Eukaryotic translation initiation factor 4 gamma 1 (eIF-4-gamma 1) (eIF-4G 1) (eIF-4G1),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. Exists in two complexes, either with EIF1 or with EIF4E (mutually exclusive). Together with EIF1, is required for leaky scanning, in particular for avoiding cap-proximal start codon. Together with EIF4E, antagonizes the scanning promoted by EIF1-EIF4G1 and locates the start codon (through a TISU element) without scanning. As a member of the eIF4F complex, required for endoplasmic reticulum stress-induced ATF4 mRNA translation. {ECO:0000250|UniProtKB:Q04637}.
Molecular Weight:	176.1 kDa
UniProt:	Q6NZJ6

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

