

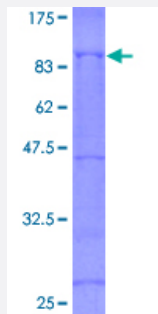
Full-Length

EIF4G1 (Human) Recombinant Protein (P01)

Catalog # H00001981-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human EIF4G1 full-length ORF (AAH07788, 1 a.a. - 645 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDQYFNQMEKIIKEKKTSSRIRFMLQDVLDLRGSNWVPRRGDQGPKTIDQIHKEAEMEEHREHIKV
 QQLMAKGSDKRRGGPPGPPISRGLPLVDDGGWNTVPISKGSRPIDTSRLTKITKPGSIDSNQLFA
 PGGRLSWGKGSSGGSGAKPSDAASEAARPATSTLNRFSALQQAVPTSTDNRRVVQRSSLSRE
 RGEKAGDRGDRLEERSERGGDRGDRLDARTPATKRSFSKEVEERSRERPSQPEGLRKAASLTE
 DRDRGRDAVKREAALPPVSPLKAALSEEELEKKSKAIEEYLHLNDMKEAVQCQVQELASPSLLFIF
 VRHGVESTLERSAIAREHMGQLLHQLLCAGHLSTAQYYQGLYEILELAEDMEIDIPHVWLYLAELVT
 PILQEGGVPMGELFREITKPLRPLGKAASLLLEILGLLCKSMGPKKVGTWREAGLSWKEFLPEG
 QDIGAFVAEQKVEYTLGEESEAPGQRALPSEELNRQLEKLLKEGSSNQRFVDWIEANLSEQQMS
 NTLVRALMTAVCYSIIIFETPLRVDVAVLKARAKLLQKYLCDEQKELQALYALQALVVTLEQPPNLL
 RMFFDALYDEDVVKEDAFYSWESSKDPAEQQGKGVALKSVTAFFKWLREAEESDHN

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

96.58

Interspecies Antigen Sequence

Mouse (92); Rat (92)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — EIF4G1

Entrez GeneID	1981
GeneBank Accession#	BC007788.1
Protein Accession#	AAH07788
Gene Name	EIF4G1
Gene Alias	DKFZp686A1451, EIF4F, EIF4G, p220
Gene Description	eukaryotic translation initiation factor 4 gamma, 1
Omim ID	600495
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a 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. Alternative splicing results in five transcript variants encoding four distinct isoforms. [provided by RefSeq]
Other Designations	EIF4-gamma

Publication Reference

- [Two-Site Phosphorylation of EPRS Coordinates Multimodal Regulation of Noncanonical Translational Control Activity.](#)

Arif A, Jia J, Mukhopadhyay R, Willard B, Kinter M, Fox PL.

Molecular Cell 2009 Jul; 35(2):164.

Application: PI, WB-Re, Recombinant protein