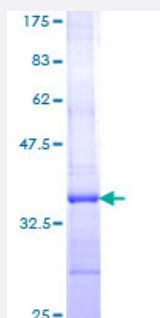


EIF4G2 (Human) Recombinant Protein (Q01)

Catalog # H00001982-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human EIF4G2 partial ORF (NP_001409, 811 a.a. - 889 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SFKPVMQKFLHDHVDLQVSALYALQVHCYNSNFPKGMLLRFFVHFYDMEIIIEEAFLAWKEDITQ EFPGKGKALFQVNQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	34.43
Interspecies Antigen Sequence	Mouse (99); Rat (99)
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 — EIF4G2

Entrez GeneID [1982](#)

GeneBank Accession# [NM_001418](#)

Protein Accession# [NP_001409](#)

Gene Name EIF4G2

Gene Alias AAG1, DAP5, FLJ41344, NAT1, p97

Gene Description eukaryotic translation initiation factor 4 gamma, 2

Omim ID [602325](#)

Gene Ontology [Hyperlink](#)

Gene Summary Translation initiation is mediated by specific recognition of the cap structure by eukaryotic translation initiation factor 4F (eIF4F), which is a cap binding protein complex that consists of three subunits: eIF4A, eIF4E and eIF4G. The protein encoded by this gene shares similarity with the C-terminal region of eIF4G that contains the binding sites for eIF4A and eIF3; eIF4G, in addition, contains a binding site for eIF4E at the N-terminus. Unlike eIF4G, which supports cap-dependent and independent translation, this gene product functions as a general repressor of translation by forming translationally inactive complexes. In vitro and in vivo studies indicate that translation of this mRNA initiates exclusively at a non-AUG (GUG) codon. Alternatively spliced transcript variants encoding different isoforms of this gene have been described. [provided by RefSeq]

Other Designations aging-associated protein 1|death-associated protein 5|eIF-4-gamma 2|eukaryotic translation initiation factor 4G-like 1