

Recombinant Human EIF4G2 Protein, GST-tagged

Cat. No. EIF4G2-3211H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EIF4G2 partial ORF (NP_001409, 811 a.a. - 889 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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, Jul 2008]
Molecular Mass	34.43 kDa
AA Sequence	SFKPVMQKFLHDHVDLQVSALYALQVHCYNSNFPKGMLLRFFVHFYDMEIIEEEAFL AWKEDITQEFPKGKALFQVNQ
Applications	Enzyme-linked Immunoabsorbent Assay

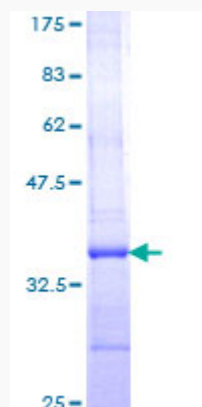
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	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	EIF4G2 eukaryotic translation initiation factor 4 gamma, 2 [Homo sapiens]
Official Symbol	EIF4G2
Synonyms	EIF4G2; eukaryotic translation initiation factor 4 gamma, 2; eukaryotic translation initiation factor 4 gamma 2; DAP5; NAT1; p97; DAP-5; eIF4G 2; eIF-4G 2; eIF-4-gamma 2; aging-associated protein 1; death-associated protein 5; eukaryotic translation initiation factor 4G-like 1; P97; AAG1; FLJ41344;
Gene ID	1982
mRNA Refseq	NM_001042559
Protein Refseq	NP_001036024
MIM	602325
UniProt ID	P78344

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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