Recombinant Full Length Human EIF4G3 Protein, GST-tagged

Cat. No. EIF4G3-4298HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EIF4G3 full-length ORF (AAH30578, 1 a.a. - 515 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	515 amino acids
Description	The protein encoded by this gene is thought to be part of the eIF4F protein complex, which is involved in mRNA cap recognition and transport of mRNAs to the ribosome. Interestingly, a microRNA (miR-520c-3p) has been found that negatively regulates synthesis of the encoded protein, and this leads to a global decrease in protein translation and cell proliferation. Therefore, this protein is a key component of the anti-tumor activity of miR-520c-3p. [provided by RefSeq, May 2016]
Molecular Mass	82.39 kDa
AA Sequence	MNSQPQTRSPFAAGPRPPHHQFFQRPQIQPPRATIPNSSPSIRPGAQTPTAVYQAN QHIMMVNHLPMPYPVPQGPQYCIPQYRHSGPPYVGPPQQYPVQPPGPGPFYPGP GPGDFPNAYGTPFYPSQPVYQSAPIMVPTQQQPPPAKREKKTIRIRDPNQGGKDITE EIISGGGSRNPTPPIGRPTSTPTPPQQLPSQVPEHSPVVYGTVESAHLAASTPVTAA SDQKQEEKPKPDPVLKSPSPVLRLVLSGEKKEQEGQTSETTAIVSIAELPLPPSPTTV SSVARSTIAAPTSSALSSQPIFTTAIDDRCELSSPREDTIPIPSLTSCTETSDPLPTNEN DGDICKKPCSVAPNDIPLVSSTNLINEINGVSEKLSATESIVEIVKQEVLPLTLELEILEN

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	PPEEMKLECIPAPITPSTVPSFPPTPPTPPASPPHTPVIVPAAATTVSSPSAAITVQRV LEEDESIRTCLSEDAKEIQNKIEVEADGQTEEILDSQNLNSRRSPVPETSNEC
Applications	Enzyme-linked Immunoabsorbent Assay 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	EIF4G3 eukaryotic translation initiation factor 4 gamma, 3 [Homo sapiens]
Official Symbol	EIF4G3
Synonyms	EIF4G3; eukaryotic translation initiation factor 4 gamma, 3; eukaryotic translation initiation factor 4 gamma 3; eIF4GII; eIF-4-gamma 3; eIF-4-gamma II; eIF4G 3; eIF-4G 3;
Gene ID	8672
mRNA Refseq	NM_001198801
Protein Refseq	NP_001185730
MIM	603929

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UniProt ID	O43432

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