

Recombinant Human EIF4E Protein, GST-tagged

Cat. No. EIF4E-3198H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EIF4E full-length ORF (AAH12611, 1 a.a. - 217 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene is a component of the eukaryotic translation initiation factor 4F complex, which recognizes the 7-methylguanosine cap structure at the 5' end of messenger RNAs. The encoded protein aids in translation initiation by recruiting ribosomes to the 5'-cap structure. Association of this protein with the 4F complex is the rate-limiting step in translation initiation. This gene acts as a proto-oncogene, and its expression and activation is associated with transformation and tumorigenesis. Several pseudogenes of this gene are found on other chromosomes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]
Molecular Mass	49.61 kDa
AA Sequence	MATVEPETTPTPNPPTTEEEKTESNQEVANPEHYIKHPLQNRWALWFFKNDKSKTW QANLRLISKFDTVEDFWALYNHIQLSSNLMPGCDYSLFKDGIPEPMWEDEKNKRGR WLITLNKQQRSDLNRFWLETLLCLIGESFDDYSDDVCGAVNVRAKGDKIAIWTE CENREAVTHIGRVYKERLGLPPKIVIGYQSHADTATKSGSTTKNRFV
Applications	Enzyme-linked Immunoabsorbent Assay

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

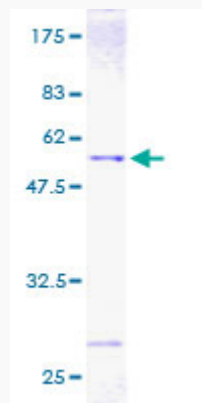
	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	EIF4E eukaryotic translation initiation factor 4E [Homo sapiens]
Official Symbol	EIF4E
Synonyms	EIF4E; eukaryotic translation initiation factor 4E; EIF4EL1, EIF4F; EIF4E1; eIF-4E; eIF-4F 25 kDa subunit; mRNA cap-binding protein; eukaryotic translation initiation factor 4E-like 1; CBP; EIF4F; EIF4EL1; MGC111573;
Gene ID	1977
mRNA Refseq	NM_001130678
Protein Refseq	NP_001124150
MIM	133440
UniProt ID	P06730

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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