

# Recombinant Human EIF4E Protein, GST-tagged

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human EIF4E full-length ORF ( AAH12611, 1 a.a. - 217 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | 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] |
| <b>Molecular Mass</b>   | 49.61 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | MATVEPETTPTPNPPTTEEEKTESNQEVANPEHYIKHPLQNRWALWFFKNDKSKTW<br>QANLRLISKFDTVEDFWALYNHIQLSSNLMPGCDYSLFKDGI EPMWEDEKNKRGR<br>WLITLNKQQRSDLNRFWLETLLCLIGESFDDYSDDVCGAVNVRAKGDKIAIWTE<br>CENREAVTHIGRVYKERLGLPPKIVIGYQSHADTATKSGSTTKNRFV                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

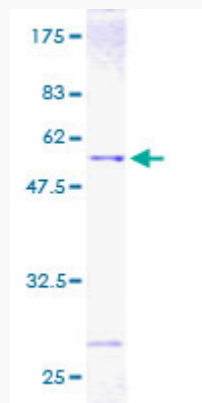
|                         |                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------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

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

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