# Active Recombinant Full Length Human EEF1G Protein, C-Flag-tagged

**Cat. No.** EEF1G-566HFL **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Full Length Human EEF1G Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells. |
| **Species** | Human |
| **Source** | Mammalian Cells |
| **Description** | This gene encodes a subunit of the elongation factor-1 complex, which is responsible for the enzymatic delivery of aminoacyl tRNAs to the ribosome. This subunit contains an N-terminal glutathione transferase domain, which may be involved in regulating the assembly of multisubunit complexes containing this elongation factor and aminoacyl-tRNA synthetases. |
| **Form** | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol. |
| **Bio-activity** | Biolayer interferometry (BLI) assay |
| **Molecular Mass** | 49.9 kDa |
| **AA Sequence** | MAAGTLYTYPENWRAFKALIAAQYSGAQVRVLSAPPHFHFGQTNRTPEFLRKFPAG KVPAFEGDDGFCVF ESNAIAYYVSNEELRGSTPEAAAQVVQWVSFADSDIVPPAST WVFPTLGIMHHNKQATENAKEEVRRILG LLDAYLKTRTFLVGERVTLADITVVCTLL WLYKQVLEPSFRQAFPNTNRWFLTCINQPQFRAVLGEVKLC EKMAQFDAKKFAET QPKKDTPRKEKGSREEKQKPQAERKEEKKAAAPAPEEEMDECEQALAAEPKAKDP |

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

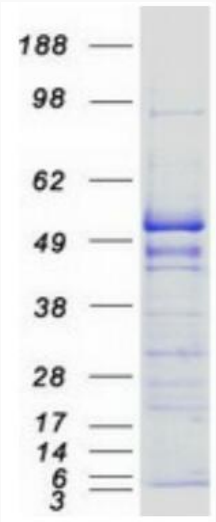
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|---|---|
| | F AHLPKSTFVLDEFKRKYSNEDTLSVALPYFWEHFDKDGWSLWYSEYRFPEELTQT FMSCNLITGMFQRLD KLRKNAFASVILFGTNNSSSISGVWVFRGQELAFPLSPDWQ VDYESYTWRKLDPGSEETQTLVREYFSWE GAFQHVGKAFNQGKIFKTRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| **Purity** | > 80% as determined by SDS-PAGE and Coomassie blue staining. |
| **Stability** | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| **Storage** | Store at -80 centigrade. |
| **Concentration** | >50 ug/mL as determined by microplate BCA method. |
| **Preparation** | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| **Full Length** | Full L. |

## GENE INFORMATION

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| **Gene Name** | EEF1G eukaryotic translation elongation factor 1 gamma [ Homo sapiens (human) ] |
| **Official Symbol** | EEF1G |
| **Synonyms** | EF1G; GIG35 |
| **Gene ID** | 1937 |
| **mRNA Refseq** | NM_001404.5 |

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|---|---|
| **Protein Refseq** | NP_001395.1 |
| **MIM** | 130593 |
| **UniProt ID** | P26641 |




Coomassie blue staining of purified EEF1G protein.

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