

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

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

SPECIFICATION

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 ESNAIYYVSNEELRGSTPEAAAQVVQWVSFADSDIVPPAST WVFPTLGIMHHNKQATENAKEEVRRILG LLDAYLKTRTFLVGERVTLADITVVCTLL WLYKQVLEPSFRQAFPNTRWFLTCINQPQFRAVLGEVKLC EKMAQFDAKKFAET QPKKDTPRKEKGSREEKQKPQAERKEEKAAAPAPEEEMDECEQALAAEPKAKDP

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F AHLPKSTFVLDEFKRRKYSNEDTLSVALPYFWEHFDKDGWSLWYSEYRFPEELTQT
 FMSCNLITGMFQRLD KLRKNAFASVILFGTNNSSSISGVVWVFRGQELAFPLSPDWQ
 VDYESYTWKLDPGSEETQTLVREYFSWE
 GAFQHVVGKAFNQGKIFKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

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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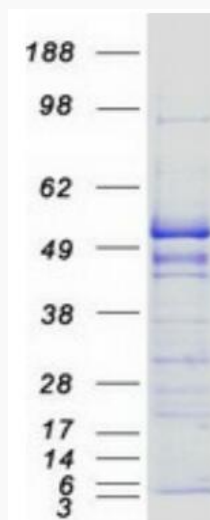
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Protein Refseq NP_001395.1

MIM 130593

UniProt ID P26641



Coomassie blue staining of purified EEF1G protein.

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