Recombinant Human EEF1G, His-tagged

Cat. No. EEF1G-27778TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein, corresponding to amino acids 2-437 of Human EEF1G with N terminal His tag. Predicted MWt 50kDa;
Species	Human
Source	E.coli
ProteinLength	2-437 a.a.
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.
Conjugation	HIS
Tissue specificity	Highly expressed in pancreatic tumor tissue and to a lesser extent in normal kidney, intestine, pancreas, stomach, lung, brain, spleen and liver.
Form	Lyophilised:Reconstitute with 113 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	AAGTLYTYPENWRAFKALIAAQYSGAQVRVLSAPPHFHFG QTNRTPEFLRKFPAGK VPAFEGDDGFCVFESNAIAYYV SNEELRGSTPEAAAQVVQWVSFADSDIVPPASTW VFPT LGIMHHNKQATENAKEEVRRILGLLDAYLKTRTFLVGERV TLADITVVCTLLWL YKQVLEPSFRQAFPNTNRWFLTCI NQPQFRAVLGEVKLCEKMAQFDAKKFAETQPK KDTPRK EKGSREEKQKPQAERKEEKKAAAPAPEEEMDECEQALAAEPKAKDPFAH LPKSTFVLDEFKRKYSNEDTLSVALPYFW EHFDKDGWSLWYSEYRFPEELTQTFM SCNLITGMFQRL DKLRKNAFASVILFGTNNSSSISGVWVFRGQELAFPLS PDWQVD YESYTWRKLDPGSEETQTLVREYFSWEGAFQHVG KAFNQGKIFK
Sequence Similarities	Contains 1 EF-1-gamma C-terminal domain.Contains 1 GST C-terminal domain.Contains 1 GST N-terminal domain.
Full Length	Full L.

GENE INFORMATION

Gene Name	EEF1G eukaryotic translation elongation factor 1 gamma [Homo sapiens]
Official Symbol	EEF1G
Synonyms	EEF1G; eukaryotic translation elongation factor 1 gamma; elongation factor 1-gamma; EF1G;
Gene ID	1937
mRNA Refseq	NM_001404
Protein Refseq	NP_001395

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MIM	130593
Uniprot ID	P26641
Chromosome Location	11q12.3
Pathway	Eukaryotic Translation Elongation, organism-specific biosystem; Gene Expression, organism-specific biosystem; Legionellosis, organism-specific biosystem; Legionellosis, conserved biosystem; Metabolism of proteins, organism-specific biosystem;
Function	protein binding; translation elongation factor activity;

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