

**EEF1G, 1-437aa, Human, His tag, E.coli**

**Cat.NO.: TP01973**

3th Edition

**Synonyms:**Elongation factor 1-gamma, EF1G, GIG35, EF-1-gamma, Elongation factor 1 gamma, GIG35, PRO1608

**Description:**Elongation factor 1-gamma, also known as EEF1G, is a multi-protein complex that is responsible for the 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. Increased expression of EEF1G is associated with pancreatic cancer, suggesting a possible role for EEF1G in the oncogenic transformation process. Recombinant human EEF1G protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

**Molecular Weight:**52.5 kDa (460aa)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSMAGTLYTYPENWRAFKALIAAQYSGAQVRVLSAPPHFHFGQTNRTPPEFLR  
KFPAGKVPAPFEGDDGFCVFESNAIAYYVSNEELRGSTPEAAAQVQWVSFADSDIVPPASTWVFPTLGIMHHNKQA  
TENAKEEVRRILGLLDAYLKTRTFLVGERVTLADITVVCTLLWLYKQVLEPSFRQAFPNTNRWFLTCINQPQFRAVLG  
EVKLCEKMAQFDAKKFAETQPKKDTPRKEKGSREEKQKPAERKEEKKAAAPAPEEEMDECEQALAAEPKAKDPF  
AHLPKSTFVLDEFKRKYSNEDTSLVALPYFWEHFDKDGWSLWYSEYRFPEELTQTFMSCNLITGMFQRLDKLRKN  
AFASVILFGTNNSSSISGVVFRGQELAFPLSPDWQVDYESYTWKLDPGSEETQTLVREYFSWEGAFQHV GKAF  
NQGKIFK

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.