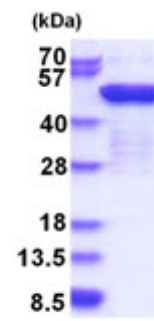


AR51583PU-N**Human EEF1G (1-437, His-tag) - Purified**

Alternate names:	EF-1-gamma, EF1G, Elongation factor 1-G, Elongation factor 1-gamma, GIG35, PRO1608, eEF-1B gamma, eukaryotic translation elongation factor 1 gamma
Quantity:	0.5 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	P26641
NCBI:	NP_001395
GeneID:	1937
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Description:	Recombinant human EEF1G protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHH SSGLVPRGSH MGSMAAGTLY TYPENWRAFK ALIAAQYSGA QVRVLSAPPH FHFGQTNRTP EFLRKFPAGK VPAFEGDDGF CVFESNAIAY YVSNEELRGS TPEAAAQVVQ WVSFADSDIV PPASTWVFPT LGIMHHNKQA TENAKEEVRR ILGLLDAYLK TRTFLVGERV TLADITVVCT LLWLYKQVLE PSFRQAFPNT NRWFLTCINQ PQFRAVLGEV KLCEKMAQFD AKKFAETQPK KDTPRKEKGS REEKQKPQAE RKEEKKAAAP APEEEMDECE QALAAEPKAK DPFAHLPKST FVLDEFKRKY SNEDTSLVAL PYFWEHFDKD GWSLWYSEYR FPEELTQTFM SCNLITGMFQ RLDKLRKNAF ASVILFGTNN SSSISGVVVF RGQELAFPLS PDWQVDYESY TWRKLDPGSE ETQTLVREYF SWEGAFQHV G KAFNQGKIFK Molecular weight: 52.5 kDa (460aa)
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Sanders J., et al. (1992) Nucleic Acids Res. 20: 5907-5910. Koonin E V., et al. (1994) Protein Sci. 3: 2045-2054.

Pictures:



15% SDS-PAGE (3ug)