Recombinant human EF-1 gamma/EEF1G protein

Catalog Number: ATGP2763

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-437aa

UniProt No.
P26641

NCBI Accession No.
NP_001395

Alternative Names
Elongation factor 1-gamma, EF1G, GIG35, EF-1-gamma, Elongation factor 1 gamma, GIG35, PRO1608

PRODUCT SPECIFICATION

Molecular Weight
52.5 kDa (460aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

Recombinant human EF-1 gamma/EEF1G protein

Catalog Number: ATGP2763

Amino acid Sequence

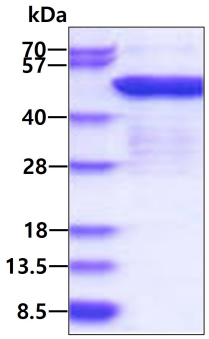
<MGSSHHHHHH SSGLVPRGSH MGS>MAAGTLY TYPENWRAFK ALIAAQYSGA QVRVLSAPPH FHFGQTNRTP EFLRKFPAGK VPAFEGDDGF CVFESNAIAY YVSNEELRGS TPEAAAQVVQ WVSFADSDIV PPASTWVFPT LGIMHHNKQA TENAKEEVRR ILGLLDAYLK TRTFLVGERV TLADITVVCT LLWLYKQVLE PSFRQAFPNT NRWFLTCINQ PQFRAVLGEV KLCEKMAQFD AKKFAETQPK KDTPRKEKGS REEKQKPQAE RKEEKKAAAP APEEEMDECE QALAAEPKAK DPFAHLPKST FVLDEFKRKY SNEDTLSVAL PYFWEHFDKD GWSLWYSEYR FPEELTQTFM SCNLITGMFQ RLDKLRKNAF ASVILFGTNN SSSISGVWVF RGQELAFPLS PDWQVDYESY TWRKLDPGSE ETQTLVREYF SWEGAFQHVG KAFNQGKIFK

General References

Sanders J., et al. (1992) Nucleic Aciads Res. 20: 5907-5910.
Koonin E V., et al. (1994) Protein Sci. 3: 2045-2054.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.