NKMAXBIO We support you, we believe in your research

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.



NKMAXBio We support you, we believe in your research

Recombinant human EF-1 gamma/EEF1G protein

Catalog Number: ATGP2763

Amino acid Sequence

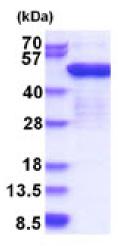
MGSSHHHHHH SSGLVPRGSH MGSMAAGTLY TYPENWRAFK ALIAAQYSGA QVRVLSAPPH FHFGQTNRTP EFLRKFPAGK VPAFEGDDGF CVFESNAIAY YVSNEELRGS TPEAAAQVVQ WVSFADSDIV PPASTWVFPT LGIMHHNKQA TENAKEEVRR ILGLLDAYLK TRTFLVGERV TLADITVVCT LLWLYKQVLE PSFRQAFPNT NRWFLTCINQ PQFRAVLGEV KLCEKMAQFD AKKFAETQPK KDTPRKEKGS REEKQKPQAE RKEEKKAAAP APEEEMDECE QALAAEPKAK DPFAHLPKST FVLDEFKRKY 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



coomassie blue stain.

3ug by SDS-PAGE under reducing condition and visualized by

15% SDS-PAGE (3ug)