abcam

Product datasheet

Recombinant Human TUFM protein (His tag) ab236184

1 Image

Description

Product name	Recombinant Human TUFM protein (His tag)
Purity	> 85 % SDS-PAGE.
Expression system	Escherichia coli
Accession	P49411
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	AVEAKKTYVRDKPHVNVGTIGHVDHGKTTLTAAITKILAEG GGAKFKKYE EIDNAPEERARGITINAAHVEYSTAARHYAHTDCPGHADYV KNMITGTAP LDGCILVVAANDGPMPQTREHLLLARQIGVEHVVVYVNKA DAVQDSEMVE LVELEIRELLTEFGYKGEETPVIVGSALCALEGRDPELGLK SVQKLLDAV DTYIPVPARDLEKPFLLPVEAVYSVPGRGTVVTGTLERGIL KKGDECELL GHSKNIRTVVTGIEMFHKSLERAEAGDNLGALVRGLKRED LRRGLVMVKP GSIKPHQKVEAQVYILSKEEGGRHKPFVSHFMPVMFSLT WDMACRIILPP EKELAMPGEDLKFNLILRQPMILEKGQRFTLRDGNRTIGTG LVTNTLAMT EEEKNIKWG
Predicted molecular weight	49 kDa including tags
Amino acids	44 to 452
Tags	His tag N-Terminus
Additional sequence information	N-terminal 6xHis-tagged. Full length mature chain without transit peptide.

Specifications

Our **Abpromise guarantee** covers the use of **ab236184** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid

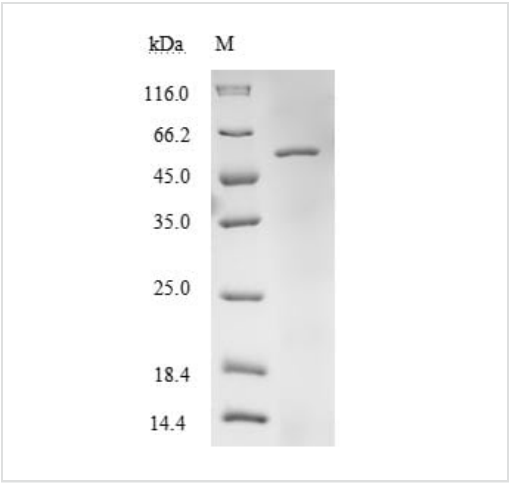
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 7.2 Constituents: Tris buffer, 50% Glycerol (glycerin, glycerine)

General Info

Function	This protein promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis.
Involvement in disease	Combined oxidative phosphorylation deficiency 4 (COXPD4) [MIM:610678]: A mitochondrial disease resulting in neonatal lactic acidosis, rapidly progressive encephalopathy, severely decreased mitochondrial protein synthesis, and combined deficiency of mtDNA-related mitochondrial respiratory chain complexes. Note=The disease is caused by mutations affecting the gene represented in this entry.
Sequence similarities	Belongs to the GTP-binding elongation factor family. EF-Tu/EF-1A subfamily.
Cellular localization	Mitochondrion.

Images



SDS-PAGE - Recombinant Human TUFM protein (His tag) (ab236184)

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel analysis of ab236184.

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