abcam

Product datasheet

Recombinant Human EF-Ts protein (denatured) ab181937

1 Image

Description

Product name	Recombinant Human EF-Ts protein (denatured)
Purity	> 85 % SDS-PAGE.
Expression system	Escherichia coli
Accession	P43897-2
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MSKELLMKLRRKTGYSFVNCKKALETCGGDLKQAEIWLH KEAQKEGWSKA AKLQGRKTKEGLIGLLQEGNTTVLVEVNCETDFVSRNLKF QLLVQQVALG TMMHCQTLKDQPSAYSKVQWLTPVNLALWEAEAGGSLE GFLNSSELSGLP AGPDREGSLKDQLALAIGKLGENMILKRAAWVKVPSGFYV GSYVHGAMQS PSLHKLVLGKYGALVICETSEQKTNLEDVGRRLGQHVVGM APLSVGSLDD EPGGEAETKMLSQPYLLDPSITLGQYVQPQGVSVVDFVR FECGEGEEAAE TE
Predicted molecular weight	33 kDa
Amino acids	46 to 346
Additional sequence information	NP_005717.2

Specifications

Our **Abpromise guarantee** covers the use of **ab181937** 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

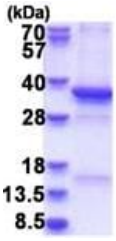
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 10% Glycerol (glycerin, glycerine), 2.4% Urea, 0.32% Tris HCl

General Info

Function	Associates with the EF-Tu.GDP complex and induces the exchange of GDP to GTP. It remains bound to the aminoacyl-tRNA.EF-Tu.GTP complex up to the GTP hydrolysis stage on the ribosome.
Tissue specificity	Expressed in all tissues, with the highest levels of expression in skeletal muscle, liver and kidney.
Involvement in disease	Defects in TSFM are the cause of combined oxidative phosphorylation deficiency type 3 (COXPD3) [MIM:610505]. Defects in the mitochondrial oxidative phosphorylation system result in devastating, mainly multisystem, diseases. COXPD3 symptoms include severe metabolic acidosis with encephalomyopathy or with hypertrophic cardiomyopathy. Patients show a severe defect in mitochondrial translation leading to a failure to assemble adequate amounts of three of the oxidative phosphorylation complexes.
Sequence similarities	Belongs to the EF-Ts family.
Cellular localization	Mitochondrion.

Images



SDS-PAGE - Recombinant Human EF-Ts protein (denatured) (ab181937)

15% SDS-PAGE analysis of 3 µg ab181937.

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- Response to your inquiry within 24 hours

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- We investigate all quality concerns to ensure our products perform to the highest standards

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