

Recombinant human ETFB protein

Catalog Number: ATGP1047

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-255aa

UniProt No.

P38117

NCBI Accession No.

NP_001976

Alternative Names

Electron transfer flavoprotein subunit beta, FP585, MADD

PRODUCT SPECIFICATION

Molecular Weight

30 kDa (275aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 0.1M NaCl

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

ETF (electron transfer flavoprotein) is a heterodimer of an alpha and beta subunit. The ETFB protein is electron-transfer-flavoprotein, beta polypeptide, which shuttles electrons between primary flavoprotein dehydrogenases involved in mitochondrial fatty acid and amino acid catabolism and the membrane-bound electron transfer flavoprotein ubiquinone oxidoreductase. Recombinant human ETFB protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

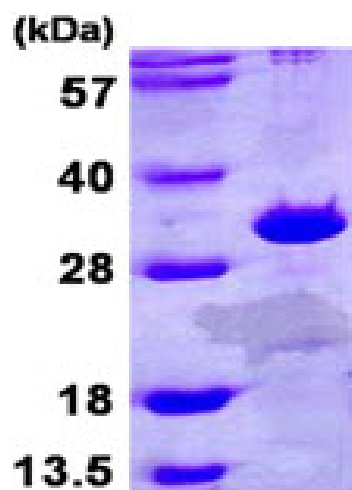
MGSSHHHHHH SSGLVPRGSH MAELRVLVAV KRVIDYAVKI RVKPDRTGVV TDGVKHSMPN FCEIAVEEAV RLKEKKLVKE
VIAVSCGPAQ CQETIRTALA MGADRGIHVE VPPAEAERLG PLQVARVLAK LAEKEKVDLV LLGKQAIDDD CNQTGQMTAG
FLDWPQGTFA SQVTLEGDKL KVEREIDGGL ETLRLKLPV VTADLRLNEP RYATLPNIMK AKKKKIEVIK PGDLGVDLTS
KLSVISVEDP PQRTAGVKVE TTEDLVAKLK EIGRI

General References

Colombo I., et al. (1994) Hum. Mol. Genet. 3:429-435
Bross P., et al. (1999) Mol. Genet. Metab. 67:138-147

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)