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 electrontransfer-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.



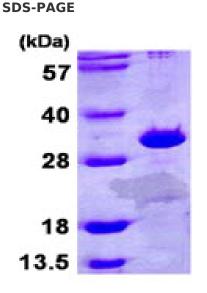
Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MAELRVLVAV KRVIDYAVKI RVKPDRTGVV TDGVKHSMNP FCEIAVEEAV RLKEKKLVKE VIAVSCGPAQ CQETIRTALA MGADRGIHVE VPPAEAERLG PLQVARVLAK LAEKEKVDLV LLGKQAIDDD CNQTGQMTAG FLDWPQGTFA SQVTLEGDKL KVEREIDGGL ETLRLKLPAV 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



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

15% SDS-PAGE (3ug)