

**ETFB, 1-255aa, Human, His tag, E.coli**

**Cat.NO.: TP02054**

3th Edition

**Synonyms:**Electron transfer flavoprotein subunit beta, FP585, MADD

**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.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 40% glycerol, 0.1M NaCl

**Molecular Weight:**30.0 kDa (275aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMAELRVLVAVKRVIDYAVKIRVKPDRTGVVTDGVKHSMPFCEIAVEEAVRLKEKK  
LVKEVIAVSCGPAQCQETIRTALAMGADRGIHVEVPPAEAERLGPLQVARVLAKLAEKEKVDLVLLGKQAIDDDCNQ  
TGQMTAGFLDWPQGTFASQVTLEGDKLKVEREIDGGLETLRKLPVVTTADLRLNEPRYATLPNIMKAKKKKIEVIKP  
GDLGVDLTSKLSVISVEDPPQRTAGVKVETTEDLVAKLKEIGRI

**Purity:**> 95% by HPLC

**Concentration:**0.25 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.