

Recombinant Human ETFB, His-tagged

Cat. No. ETFB-28404TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human ETFB with an N terminal His tag; 275 amino acids, predicted MWt 30kDa.
Species	Human
Source	E.coli
ProteinLength	255 amino acids
Description	This gene encodes 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. The gene deficiencies have been implicated in type II glutaricaciduria. Alternatively spliced transcript variants have been found for this gene.
Conjugation	HIS
Molecular Weight	30.000kDa inclusive of tags
Tissue specificity	Abundant in liver, heart and skeletal muscle. A weak expression is seen in the brain, placenta, lung, kidney and pancreas.
Form	Liquid
Purity	>90% by SDS-PAGE

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Storage buffer	Preservative: None Constituents: 40% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMAELRLVAVKRVIDYAVKIRVKPDRTGVVTDGVKH SMNPFCEIAVEEAVRLKEKKLVKEVIAVSCGPAQCQETIRTALAMGADRGIHVEVPPA EAERLGPLQVARVLAKLAEKEKVLDLVLLGKQAIDDDCNQTGQMTAGFLDWPQGTFA SQVTLEGDKLKVEREIDGGLETLRLLKLPVVTTADLRLNEPRYATLPNIMKAKKKKIEVI KPGDLGVDLTSKLSVISVEDPPQRTAGVKVETTEDLVAKLKEIGRI
Sequence Similarities	Belongs to the ETF beta-subunit/fixA family.

GENE INFORMATION

Gene Name	ETFB electron-transfer-flavoprotein, beta polypeptide [Homo sapiens]
Official Symbol	ETFB
Synonyms	ETFB; electron-transfer-flavoprotein, beta polypeptide; electron transfer flavoprotein subunit beta;
Gene ID	2109
mRNA Refseq	NM_001014763
Protein Refseq	NP_001014763
MIM	130410

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Uniprot ID	P38117
Chromosome Location	19q13.3-q13.4
Pathway	Metabolism, organism-specific biosystem; Respiratory electron transport, organism-specific biosystem; Respiratory electron transport, ATP synthesis by chemiosmotic coupling, and heat production by uncoupling proteins., organism-specific biosystem; The citric acid (TCA) cycle and respiratory electron transport, organism-specific biosystem;
Function	electron carrier activity;

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