

## Recombinant Human ETFB, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human ETFB with an N terminal His tag; 275 amino acids, predicted MWt 30kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	255 amino acids
<b>Description</b>	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.
<b>Conjugation</b>	HIS
<b>Molecular Weight</b>	30.000kDa inclusive of tags
<b>Tissue specificity</b>	Abundant in liver, heart and skeletal muscle. A weak expression is seen in the brain, placenta, lung, kidney and pancreas.
<b>Form</b>	Liquid
<b>Purity</b>	>90% by SDS-PAGE

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

## GENE INFORMATION

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

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<b>Uniprot ID</b>	P38117
<b>Chromosome Location</b>	19q13.3-q13.4
<b>Pathway</b>	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;
<b>Function</b>	electron carrier activity;

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