

Product datasheet for SC301950

ETFB (NM_001014763) Human Untagged Clone

Product data:

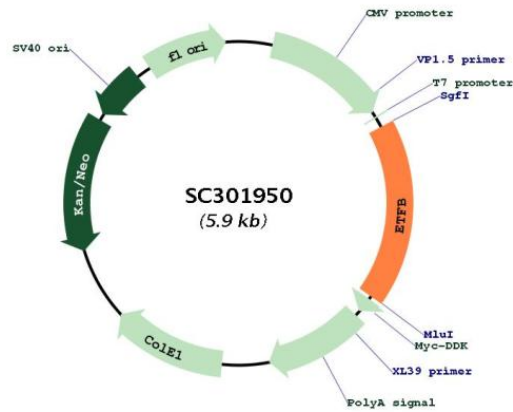
Product Type:	Expression Plasmids
Product Name:	ETFB (NM_001014763) Human Untagged Clone
Tag:	Tag Free
Symbol:	ETFB
Synonyms:	FP585; MADD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301950 representing NM_001014763. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTACCTCTCACTGTGGTTACCATAAATACTGTAAATTTGAGAAACTCTTTCAGGCCTGAGAGGA
GCAGTGACAACAGTAGGGATGATCAAGTCAGATGTCCCTGGTACCCAGGAATGGCTGGATGAGAGAAGG
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CAAGGCCCTGCCCTTTCCAGGCTGTCTGTCTCATCCAGCCTGGGAGAGGGTTGGCGCTGAGGCC
CCACCTTCTTGCCTGTTTCTCCTGACCCACCCCTTCCCCTCCTGCTGGCAGATCCGAGTGAAGCCT
GACAGGACCGGTGTGGTCACGGATGGTGTGAAGCACTCCATGAACCCCTTCTGTGAGATCGCGGTGGAG
GAGGCTGTGCGGCTCAAGGAGAAGAAGCTGGTGAAGGAGGTCATCGCCGTCAGCTGTGGCCTGCACAG
TGCCAGGAGACGATTTCGTACCGCCTGGCCATGGGTGCAGACCGAGGTATCCACGTGGAGGTGCCCCA
GCAGAAGCAGAACGCTTGGGTCCCTGCAGGTGGCTCGGGTCTGGCCAAGCTGGCAGAGAAGGAGAAG
GTGGACCTGGTGTCTGGGCAACAGGCCATCGATGATGACTGTAACCAGACAGGGCAGATGACAGCT
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GAGCGGGAGATCGATGGGGCCCTGGAGACCCTGCGCCTGAAGCTGCCAGCTGTGGTGACAGCTGACCTG
AGGCTCAACGAGCCCCGCTACGCCACGCTGCCAACATCATGAAAGCCAAGAAGAAGAAGATCGAGGTG
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CAGCGCACGGCCCGCTCAAGGTGGAGACCACTGAGGACCTGGTGGCCAAGCTGAAGGAGATTGGCGCG
ATTTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001014763

Insert Size: 1041 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001014763.1](#)

RefSeq Size: 1318 bp

RefSeq ORF: 1041 bp

Locus ID: 2109

UniProt ID: [P38117](#)

Cytogenetics: 19q13.41

Protein Families: Druggable Genome

MW: 37.4 kDa

Gene Summary: 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. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) lacks the 5' exon but has an alternate 5' segment, as compared to variant 1. The encoded isoform (2) has a longer and distinct N-terminus compared to isoform 1.