

## Product datasheet for **MC202302**

### **Etfb (NM\_026695) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Etfb (NM\_026695) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Etfb  
**Synonyms:** 0610009I16Rik; 2810441H06Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC049237 sequence for NM\_026695  
 GGAAGATGGCGGAGCTGCGCGCGCTCGTGGCTGTCAAGAGGGTCACTCGACTTCGCTGTGAAGATTCGGGT  
 AAAGCCGGACAAGTCTGGAGTGGTCACTGATGGTGTGAAGCACTCCATGAACCCCTTCTGTGAGATTGCA  
 GTGGAAGAGGCTGTGCGGCTAAAGGAGAAGAACTGGTGAAGGAGATCATTGCCGTGAGCTGTGGCCCT  
 CACAGTGCCAGGAGACCATCCGAAGTCTGCTGGCCATGGGTGCAGACAGAGGCATCCACGTGGAGATACC  
 AGGGGCACAGGCAGAAAGCTTAGGCCCCCTGCAGGTGGCCGGTCTGGCCAAGCTGGCTGAAAAGGAG  
 AAAGTGGACCTTTTGTTCCTGGGCAAGCAGGCTATTGATGATGACTGTAACCAGACAGGTGAGTACAG  
 CTGGACTTCTGGACTGGCCGAGGTTACATTCGCCTCTCAGGTGACTGGAGGGGGACAAGGTAAGT  
 GGAACGGGAAATTGACGGGGTCTGGAGACCTTCGCCTGAAGCTGCCCGCTGTGGTGTGCTGACCTA  
 AGGCTCAATGAGCCTCGCTATGCCACCCTGCCCAACATCATGAAAGCCAAGAAGAAGATTGAAGTGG  
 TCAAGGCTGGAGACCTGGCGTGGACCTGACCTCCAAGTCTCTGTGATCAGTGTGGAAGAGCCCCCTCA  
 GCGCTCAGCAGGAGTCAAGGTGGAGACCACAGAAGACCTGGTGGCCAAGCTGAAGGAGGTGGGGCGGATC  
 TGAGACCTCCCTGATACTCTGCAATAAACTGTGCCTTTCCAAGAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_026695

**Insert Size:** 768 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).

**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).



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**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:** [BC049237](#), [AAH49237](#)

**RefSeq Size:** 835 bp

**RefSeq ORF:** 768 bp

**Locus ID:** 110826

**UniProt ID:** [Q9DCW4](#)

**Cytogenetics:** 7 28.25 cM

**Gene Summary:** Heterodimeric electron transfer flavoprotein that accepts electrons from several mitochondrial dehydrogenases, including acyl-CoA dehydrogenases, glutaryl-CoA and sarcosine dehydrogenase. It transfers the electrons to the main mitochondrial respiratory chain via ETF-ubiquinone oxidoreductase (By similarity). Required for normal mitochondrial fatty acid oxidation and normal amino acid metabolism (PubMed:25023281). ETFB binds an AMP molecule that probably has a purely structural role (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer transcript and encodes the functional protein.