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Product datasheet for MC212235

Etfa (NM_145615) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Etfa (NM_145615) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Etfa
Synonyms:	2010200I21Rik; D9Ertd394e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC212235 representing NM_145615 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTTTCGAGCAGCGGCGCCTGGGCAGCTCCGGCGGGCGGCCTCATTGCTCCGTTTTCAGAGTACCTTGG TAATAGCTGAGCATGCAAATGATTCCCTAGCACCCATTACTCTAAATACTATCACTGCAGCTGGACGTCT TGGAGGTGAAGTGTCCTGCTTAGTAGCTGGAACCAAGTGTGACAAGGTGGTACAGGATCTATGTAAAGTA GCTGGCGTAGCAAAGGTTCTGGTGGCTCAGCATGATGCATACAAAGGCCTTCTTCCAGAGGAACTCACAC CATTGATTTTGGAAACTCAGAAGCAGTTCAGTTACACACACATCTGTGCTGGAGCGTCTGCTTTTGGAAA GAACCTTCTGCCCAGAGTAGCTGCCAAACTTAATGTTGCTCCAGTTTCTGACATCATTGAGATCAAGTCA CCTGACACATTTGTGAGAACTATCTATGCAGGAAATGCGTTGTGTACAGTAAAGTGTGATGAGAAAGTAA AGGTGTTTTCTGTTCGAGGAACATCTTTTGAGGCTGCAGCAACAAGTGGAGGTAGTGCTAGTTCAGAAAA GGCACCAAGTTCTTCATCAGTGGGAATATCAGAGTGGCTTGACCAGAAATTGACAAAAAGTGACCGACCA GAACTAACTGGTGCCAAAGTGGTGGTATCTGGTGGTCGGGGTTTGAAGAGTGGAGAGAACTTTAAACTGC TGTATGACCTGGCAGATCAACTACATGCTGCAGTTGGTGCTTCCCGAGCTGCTGTTGATGCTGGCTTTGT TCCCAATGACATGCAAGTTGGTCAGACAGGAAAAATAGTAGCTCCAGAACTTTATATTGCTGTAGGAATA TCTGGAGCCATTCAACATTTAGCTGGGATGAAGGACAGCAAGACAATCGTGGCTATTAACAAAGATCCAG AAGCTCCAATTTTCCAGGTGGCAGATTATGGAATAGTTGCAGATTTATTTAAGGTGGTTCCTGAAATGAC AGAAATACTGAAGAAAAAATAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI

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ACCN:	NM_145615
Insert Size:	1002 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).
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_145615.4, NP_663590.3
RefSeq Size:	1464 bp
RefSeq ORF:	1002 bp
Locus ID:	110842
UniProt ID:	Q99LC5
Cytogenetics:	9 B
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 (ETF dehydrogenase). Required for normal mitochondrial fatty acid oxidation and normal amino acid metabolism.[UniProtKB/Swiss-Prot Function]

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