

Product datasheet for **MR209442**

Etfdh (NM_025794) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Etfdh (NM_025794) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Etfdh
Synonyms:	0610010I20Rik; AV001013
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209442 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTGGTGCAGCTAACCAAGCTGCTCCTGCCCTGCGTATCACTGGTTTCATGCCTTAAAAATTAAGAAGT
 GCCTACCTCTGTGTGCTCCAAGATGTTCTTCAACCTCTGCTGTACCTCAGATTACCACTCACTACACTGT
 TCATCCCCGGGAGAAAGACAAAAGATGGGAAGGAGTGAATATGGAGAGGTTTGCAGAAGAAGCAGATGTG
 GTCATAGTTGGTGCCGGCCAGCAGGACTCTCTGCAGCTATTCGGCTAAAGCAGCTGGCTGCTGAACAGG
 GGAAGGACATCCGTGTGTCTGGTGGAGAAAGCTGCTCAGATCGGAGCACACACGCTCTCAGGGGCTTG
 TCTTGATCCAGCTGCCTCAAAGAGCTTCCCAGACTGGAAGGAGAAAGGGCTCCACTTAATACTCCT
 GTAACAGAAGACAGGTTTGCCATTTAACAGAGAAACACAGAATTCCTGTGCCAATTCCTCCAGGTCTTC
 CGATGAACAATCATGGCAATTACATCGTACGCCTAGGACATCTGGTGGAGCTGGATGGGAGAACAGGCAGA
 GGCTCTTGGAGTGAAGTGTATCCTGGGTATGCTGCTGCTGAGGTCTTTATCATGAAGTGGTAGTGTA
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 TGGAACTGCATGCCAAAGTCACAGTCTTTGCAGAGGGTGGCCATGGACACCTAGCCAAGCAGCTTTATAA
 GAAATTTGATCTGAGGGCCAGCTGTGATGCACAGACTTACGGAATGGTTTGAAGGAGTTATGGATTATT
 GATGAAAAGAAGTGGAAACCTGGAAGAGTAGATCACACTGTTGGTTGGCCCTGGACAGACATACTTATG
 GAGGCTCTTTCCTTACCCTTAAATGAAGGTGAACCTCTAGTAGCTGTTGGCTTTGTTGGTTGGCCCTCGA
 CTATCAGAATCCGTACCTGAGTCCATCCGAGAGTCCAGAGGTGGAAGCATCATCCAGCATCCAGCCA
 ACCCTGGAAGGCGGGAAGAGGATAGCCTACGGAGCCCGAGCGCTCAATGAAGGCGGCTTGAGTCCATAC
 CAAAACCTCACTTTCTGGTGGCTTACTAATTGGTTGTAGTCTGGTTTCATGAATGTCCTCCCAAGTCAA
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 GGAAAGAGCTACACGCTGTTTCAAATATAAGGCCATCTTGCACGGGATACTGGGAGTATATGGAGGGAT
 GATTTACTACTGGGATATTTACTGGATATTGAGAGGAATGGAGCCATGGACTCTAAAACATAAAGGCTCA
 GACTCTGATCAGCTCAAACCAGCCAAGGATTGTACACCCATTGAGTATCCGAAACCTGATGGACAGATCA
 GTTTTGACCTCTATCCTCTGTGGCTTTGAGTGGTACTAATCATGAACATGACCAGCCAGCACATTTAAC
 CTTAAAGGATGACAGCATACCTGTTAATAGAACTGTCAATATACGATGGCCCTGAGCAGCGATTCTGC
 CCTGCAGGAGTTTATGAATTTGTTCTTTGGAACAAGGTGATGGATTTGATTACAGATAAATGCTCAGA
 ACTGTGTGCACTGTAACATGTGATATCAAAGACCCAAGTCAAATATTAAGTGGTGGTCCAGAAAGG
 AGGAGGAGGGCCTGCTTACAATGGCATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

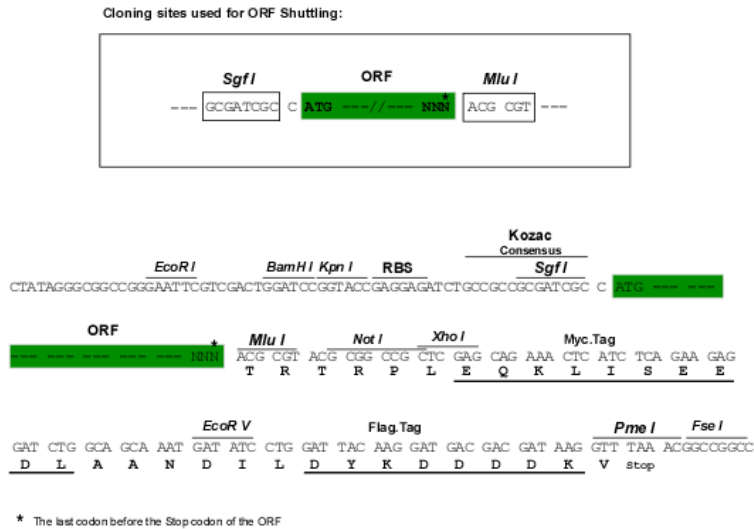
>MR209442 protein sequence
 Red=Cloning site Green=Tags(s)

MLVRLTKLSCPAYHWFHALKIKKCLPLCAPRCSSTSAVPQITTHYTVHPREKDKRWEVNMERFAEEADV
 VIVGAGPAGLSAAIRLKQLAAEQKDIRVCLVEKAAQIGAHTLSGACLDPAAFKELFPDWKEKGAPLNTP
 VTEDRFAILTEKHRIPVPIPLPGLPMNHNHGYIVRLGHLVSWMGEQAEALGVEVYPGYAAAEVLYHEDGSV
 KGIATNDVGIQKDGAPKTTFERGLELHAKVTVF AEGCHGHLAKQLYKKFDLRASCDATYGIKELWII
 DEKKWKPRVDHTVGWPLDRHTYGGSFLYHLNEGEPLVAVGFVGLDYQNPYLSPFREFQRWKHHPISIQP
 TLEGGKRIAYGARALNEGGLQSIPKLTFFPGLLIGCSPGFMNVPKIKGHTAMKSGSLAAESIFKQLTSE
 NLQSKTTGLHVTEYEDNLKQSWWKELHAVRNIRPSCHGILGVYGGMIYTGIFYWILRGMPTWLKHKGS
 DSDQLKPAKDCTPIEYKPDGQISFDLLSSVALSGTNHEHDQPAHLTLKDDSIQVNRNLSIYDGPQRFC
 PAGVYEFVPLEQGDGFRLLQINAQNCVHCKTCDIKDPSQININWVPEGGGGPAYNGM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025794

ORF Size: 1851 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_025794.2](#), [NP_080070.2](#)

RefSeq Size: 2281 bp

RefSeq ORF: 1851 bp

Locus ID: 66841

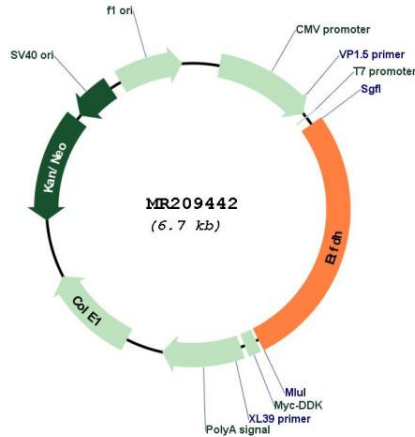
UniProt ID: [Q921G7](#)

Cytogenetics: 3 34.91 cM

MW: 68.1 kDa

Gene Summary: Accepts electrons from ETF and reduces ubiquinone.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209442