

## Product datasheet for **MG209442**

### **Etfdh (NM\_025794) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Etfdh (NM_025794) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Etfdh
Synonyms:	0610010I20Rik; AV001013
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG209442 representing NM\_025794  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTTGGTGCAGCTAACCAAGCTGCTCCTGCCCTGCGTATCACTGGTTTCATGCCTTAAAAATTAAGAAGT  
 GCCTACCTCTGTGTGCTCCAAGATGTTCTTCAACCTCTGCTGTACCTCAGATTACCACTCACTACTGT  
 TCATCCCCGGGAGAAAGACAAAAGATGGGAAGGAGTGAATATGGAGAGGTTTGCAGAAGAAGCAGATGTG  
 GTCATAGTTGGTCCCGGCCAGCAGGACTCTCTGCAGCTATTCGGCTAAAGCAGCTGGCTGCTGAACAGG  
 GGAAGGACATCCGTGTGTCTGGTGGAGAAAGCTGCTCAGATCGGAGCACACACGCTCTCAGGGGCTTG  
 TCTTGATCCAGCTGCCTCAAAGAGCTTCCCAGACTGGAAGGAGAAAGGGCTCCACTTAATACTCTCT  
 GTAACAGAAGACAGGTTTGCCATTTAACAGAGAAACACAGAATTCCTGTGCCAATCTTCCAGGTCTTC  
 CGATGAACAATCATGGCAATTACATCGTACGCCTAGGACATCTGGTGGAGCTGGATGGGAGAACAGGCAGA  
 GGCTCTTGGAGTGAAGTGTATCCTGGGTATGCTGCTGCTGAGGTCTTTATCATGAAGATGGTAGTGTA  
 AAAGGAATCGCCACTAATGATGTAGGCATACAAAAGGATGGTGCACCAAAGACAACATTTGAGAGAGGAC  
 TGGAACTGCATGCCAAAGTCACAGTCTTTGCAGAGGGTTGCCATGGACACCTAGCCAAGCAGCTTTATAA  
 GAAATTTGATCTGAGGGCCAGCTGTGATGCACAGACTTACGGAATGGTTTGAAGGAGTTATGGATTATT  
 GATGAAAAGAAGTGGAAACCTGGAAGAGTAGATCACACTGTTGGTTGGCCCTGGACAGACATACTTATG  
 GAGGCTCTTTCCTTACCCTTAAATGAAGGTGAACCTCTAGTAGCTGTTGGCTTTGTTGGTTGGCCCTCGA  
 CTATCAGAATCCGTACCTGAGTCCATCCGAGAGTTCAGAGGTGGAAGCATCATCCAGCATCCAGCCA  
 ACCCTGGAAGGCGGGAAGAGGATAGCCTACGGAGCCCGAGCGCTCAATGAAGGCGGCTTGCACTCCATAC  
 CAAAATCACTTTTCTGGTGGCTTACTAATTTGGTTGTAGTCTGGTTTCATGAATGTCCCAAGATCAA  
 AGGTACCCACACGGCAATGAAAAGTGGAAAGTTTGGCAGCAGAATCAATTTTAAAGCAACTAACTAGTGAA  
 AATCTCCAGTCAAAGACAACAGGACTCCATGTAAGTGAATATGAGGACAATTTGAAGCAATCCTGGGTAT  
 GGAAAGAGCTACACGCTGTTTCAAATATAAGGCCATCTTGCCACGGGATACTGGGAGTATATGGAGGGAT  
 GATTTACTACTGGGATATTTACTGGATATTGAGAGGAATGGAGCCATGGACTCTAAAACATAAAGGCTCA  
 GACTCTGATCAGCTCAAACCAGCCAAGGATTGTACACCCATTGAGTATCCGAACTGATGGACAGATCA  
 GTTTTGACCTCTTATCCTCTGTGGCTTTGAGTGGTACTAATCATGAACATGACCAGCCAGCACATTTAAC  
 CTTAAAGGATGACAGCATACCTGTTAATAGAACTGTCAATATACGATGGCCCTGAGCAGCGATTCTGC  
 CCTGCAGGAGTTTATGAATTTGTTCTTTGGAACAAGGTGATGGATTTTCGATTACAGATAAATGCTCAGA  
 ACTGTGTGCACTGTAAAACATGTGATATCAAAGACCCAAGTCAAATATTAAGTGGTGGTCCAGAAAGG  
 AGGAGGAGGGCCTGCTTACAATGGCATG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG209442 representing NM\_025794  
 Red=Cloning site Green=Tags(s)

MLVRLTKLSCPAYHWFHALKIKKCLPLCAPRCSSTSAVPQITTHYTVHPREKDKRWEVNMERFAEEADV  
 VIIVGAGPAGLSAAIRLKQLAAEQKDIRVCLVEKAAQIGAHTLSGACLDPAAFKELFPDWKEKGAPLNTP  
 VTEDRFAILTEKHRIPVPIPLPGLPMNNHGNYIVRLGHLVSWMGEQAEALGVEVYPGYAAAEVLYHEDGSV  
 KGIATNDVGIQKDGAPKTTFERGLELHAKVTVFAEGCHGHLAKQLYKKFDLRASCDATQYIGLKLWII  
 DEKKWKPGRVDHTVGWPLDRHTYGGSFLYHLNEGEPLVAVGFVVGLDYQNPYLSPFREFQRWKHHPPIQP  
 TLEGGKRIAYGARALNEGGLQSIPKLTFFPGLLIGCSPGFMMVVKIKGHTAMKSGSLAESIIFKQLTSE  
 NLQSKTTGLHVTEYEDNLKQSWVKELHAVRNIRPSCHGILGVYGGMIYTGIFYWILRGMEPWTLKHKGS  
 DSDQLKPAKDCTPIEYKPDGQISFDLLSSVALSGTNHEHDQPAHLTLKDDSIIPVNRNLSIYDGPQRFC  
 PAGVYEFVPLEQGDGFRLLQINAQNCVHCKTCDIKDPSQINWVVEGGGGPAYNGM

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI



<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_025794.2</a> , <a href="#">NP_080070.2</a>
<b>RefSeq Size:</b>	2281 bp
<b>RefSeq ORF:</b>	1851 bp
<b>Locus ID:</b>	66841
<b>UniProt ID:</b>	<a href="#">Q921G7</a>
<b>Cytogenetics:</b>	3 34.91 cM
<b>Gene Summary:</b>	Accepts electrons from ETF and reduces ubiquinone.[UniProtKB/Swiss-Prot Function]