

## Product datasheet for **MC227055**

### Mtfr1 (NM\_001253391) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mtfr1 (NM\_001253391) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Mtfr1  
**Synonyms:** 1300002C08Rik; 1700080D04Rik; 2810026O10Rik; 4930579E05Rik; Chppr; Fam54a2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC227055 representing NM\_001253391  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCTGGGCTGGATTAAGTGCCTGATGAGGATGTGGTTTCAGCGAGTTGGGGTCAGCATGCAGTCGGTAC  
 TATGGTCTGAAAACCATATGGTTCATCTCGAAGTATCGTAAGGAAAATTGGTACCAACTATCTCTGAT  
 TCAGTGTCCAAGAGTTCAATTTACAGTTACCAGCCATGCAACAGAATGGAGTCCCGCACACTCAGGAGAG  
 GATGCGGTGGCATCTTTTGCTGATGTTGGATTGGTAGCCACTGAAGAAGGAGAGTGCTCAATAAGACTCA  
 GGGCAGAAGTCAGTTCCAAGCCTCCTCATGAGGATGACCCCTCTTGTCTTTGAGAAGCCCCAAGCAGGCA  
 CACTTCTTCCCAAGCCTGTCTCAAGACAAGCCTTCTCCAGAGAGGACGCTGGCCAGCGAGGAGGCCCTG  
 CAGAAGATCTCTGCCCTTGAGAAATGAGCTTGTGCCCCTTAGAGCTCAGATTGCCAAGATTGTGACCCTGC  
 AGGAGCAACAGAGTCCAAGTGCAGGTTGCTTAGATTCTTCCACATCTGTTACTGTAGCACCACCACC  
 ACCTCCTCCTCCTCCCCCTCCCCCTCCGTTGGTACTCCACCAAAGTACGTCTGCTCTTGATCTGATTA  
 GAAAGAAGAGAGCAGAGACTCAGTGTGAAAGACTTTGGCTACGGGCCACCCAAAGAAGCCTGACATGC  
 CAAATATGCTTGAGATCCTTAAAGACATGAACAGTGTGAAGCTACGGTCAGTCAAGAGGTCAGAGAAAGA  
 TGTAAAACCCAGGCCAGCGGATACTGACCATGCTGCCTTCATAGCAGAGGCTCTGAAAAAGAAGTTTGCA  
 TATCGACACAATAGCCAAGGAGAACTGAAAGAGGAATTCCAAAGCCAGAGTCAGAGGCCACCTCAGAGC  
 CAGCCCTGTTGGCCACATATATTGAAGTCTACAGGGAAAATGAAGGCTTAATTGAAAATGTTCCCGA  
 CTCCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001253391



<b>Insert Size:</b>	987 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001253391.1</a></u> , <u><a href="#">NP_001240320.1</a></u>
<b>RefSeq Size:</b>	3004 bp
<b>RefSeq ORF:</b>	987 bp
<b>Locus ID:</b>	67472
<b>UniProt ID:</b>	<u><a href="#">Q99MB2</a></u>
<b>Cytogenetics:</b>	3 A2
<b>Gene Summary:</b>	May play a role in mitochondrial aerobic respiration. May also regulate mitochondrial organization and fission.[UniProtKB/Swiss-Prot Function]