

Product datasheet for **MC227054**

Mtfr1 (NM_001253390) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mtfr1 (NM_001253390) 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: >MC227054 representing NM_001253390
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTGGGCTGGATTAAGTGCCTGATGAGGATGTGGTTTCAGCGAGTTGGGGTCAGCATGCAGTCGGTAC
TATGGTCTGGAAAACCATATGGTTCATCTCGAAGTATCGTAAGGAAAATGGTACCAACTATCTCTGAT
TCAGTGTCCAAGAGTTCAATTTACAGTTACCAGCCATGCAACAGAATGGAGTCCCGCACACTCAGGAGAG
GATGCGGTGGCATCTTTTGCTGATGTTGGATTGGTAGCCACTGAAGAAGGAGAGTGCTCAATAAGACTCA
GGCAGAAGTCAGTTCCAAGCCTCCTCATGAGGATGACCCCTCTTGTCTTTGAGAAGCCCCAAGCAGGCA
CACTTCTTCCCAAGCCTGTCTCAAGACAAGCCTTCTCCAGAGAGGACGCTGGCCAGCGAGGAGGCCCTG
CAGAAGATCTCTGCCCTTGAGAAATGAGCTTGTGCCCCTTAGAGCTCAGATTGCCAAGATTGTGACCCCTGC
AGGAGCAACAGAGTCCAAGTGCAGGTTGCTTAGATTCTTCCACATCTGTTACTGTAGCACCACCACC
ACCTCCTCCTCCTCCCCCTCCCCCTCCGTTGGTACTCCACCAAAGTACGTCTGCTCTTGATCTGATTA
GAAAAGAAGAGAGCAGAGACTCAGTGTGAAAAGACTTTGGCTACGGGCCACCCAAAGAAGCCTGACATGC
CAAATATGCTTGAGATCCTTAAAGACATGAACAGTGTGAAGCTACGGTCAGTCAAGAGGTCAGAGAAAGA
TGTAACCCAGGCCAGCGGATACTGACCATGCTGCCTTCATAGCAGAGGCTCTGAAAAAGAAGTTTGCA
TATCGACACAATAGCCAAGGAGAACTGAAAGAGGAATTCCAAAGCCAGAGTCAGAGGCCACCTCAGAGC
CAGCCCTGTTGGCCACATATATTGAAGTCTACAGGGAAAATGAAGGCTTAATTGAAAATGTTCCCGA
CTCCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001253390



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Insert Size:	987 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001253390.1</u> , <u>NP_001240319.1</u>
RefSeq Size:	2842 bp
RefSeq ORF:	987 bp
Locus ID:	67472
UniProt ID:	<u>Q99MB2</u>
Cytogenetics:	3 A2
Gene Summary:	May play a role in mitochondrial aerobic respiration. May also regulate mitochondrial organization and fission.[UniProtKB/Swiss-Prot Function]