

## Product datasheet for RN216511

### Mtfr2 (NM\_001290110) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mtfr2 (NM_001290110) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mtfr2
Synonyms:	Dufd1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN216511 representing NM_001290110 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAGCGGGACGGTACCAACGAACAATGTTTTCTTGAACCTTGCTTACCAATGTCTTTTCATTCTGAATA  
TATTAAGAAACATGCTGGCATATTTGGTGTCCCGTAGATCAGGATTTGCTGATTTTTCAAATAAAGA  
TTATGGGTCAGCTCGGAGTATTGTCGGTATTGGAAGAATGCTTCCTTAGAGCCTGCCGAAGACCT  
CGTTTTGAGTTGACCCACCTGCGAACGCTAAGGAGGTGGATGACTATGAACTTGGGTTCCGTCTTTG  
CTGATGTTTTGTGTGGCAGATGATGGAGAAGCCGGTGTCTCAGATTCGACACAGTCTATGGAAAA  
GGCGGAAGGGAAAGCTGCTCTCTCCATCCTTCAAACACTACCTTGGGACCTGTCGTCCTCCCTGCTCTAAGT  
CAGAACAGAACAGTGGCCGATGACCTTCCTGTAAGCGAAGCTGCCATTAAGAGATAGCCGCCCTTGAAG  
ATGAGCTGACTTCTCCTCCGGCTCAGATCGCGCCATTGTGGCCATGCAGGACCTGGGAGGGGGTGGGGA  
GACTGGCTTCATCAGCTTGGCGATGGACCCAGCATGGAGCAGGTGCCACCATCATCAGCGACCGCTCGG  
CTGAGTGTGGAACCAGACCATGTTCCAAGTGTGGTGTCTTCTCCTCCTCCCTTCTCCTCCTCCTCC  
CACTTCTCCTCCTCAGTTTTCTCTGCAGCCTCCAGTTCTTCCCGTGCCACCCGGATCTGCGAATAC  
ACGTGGCATAGATAATCTGGCTGCTGAAATGAAAAAGCGCCCTTCTGGTGTTAAGAAGACTGACGGCAGC  
CATCATTAGAAAGCCAGAGAGTAAGTGACGTTCCGAACATGTTGGATGTTCTGAAGGACATGAATAAGG  
TCAAACCTCGGCCAGTGGAAAGGTCACCGGGTGTAGACCCATTGAGAAGAGGAGAAGACAGAGTTCA  
ATGGGATCCAGTGTCTCTAATTTCTAATGCACTGAAACAGAAGTTTGCCTTTCAAGATGATTCTTTGAT  
AGTGAAAATAGGCTTGGCAAGGTTCTCCATTTCTAGTCCAGAAACTCCAGAAATGGTCCAGGTTTT  
GA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001290110
<b>Insert Size:</b>	1122 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>	<a href="#">NM_001290110.1</a> , <a href="#">NP_001277039.1</a>
<b>RefSeq Size:</b>	1925 bp
<b>RefSeq ORF:</b>	1122 bp
<b>Locus ID:</b>	100911069
<b>UniProt ID:</b>	<a href="#">B0K035</a>
<b>Cytogenetics:</b>	1p12
<b>Gene Summary:</b>	May play a role in mitochondrial aerobic respiration essentially in the testis. Can also promote mitochondrial fission (By similarity).[UniProtKB/Swiss-Prot Function]