

## Product datasheet for RN206375

### Mtfmt (NM\_001009697) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mtfmt (NM\_001009697) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Mtfmt  
**Synonyms:** RGD1309462  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN206375 representing NM\_001009697  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTTCTCCGCGCGTGTGCTGGGGTCCGTGGCTGGCGGAAGGAGGCCACGCTGTTCTGTCACTCAC  
 CTGCTGGGTTCAAGCGGAAGGACCGCCGAAGCTCCCGGGTCCGCGAGAAGCCACCTTGGCGGGTGTCTGT  
 CTTCCGGCACCGACCACTTTCGCCGGAAGCCCTGCGGGCGCTGCACGCTGCCAGAGACAACAAGAGGAA  
 AAGTTAATTGAGAACTGGAGGTTGTACAGGTGCCTTCGATATCCCTAAAGGACTACCTGTGAAGCAAT  
 ATGCTATACAGTCTCAGCTCCCGGTATATGAGTGGCCCGACATGGGATCCGGAGAATATGACGTTGGGGT  
 AGTGGCTTCTTTGGCCGACTTTTGAAGTGGCTCTTATTCTTAAATTTCCCTACGGAATACTGAATGTG  
 CACCCAGTTGCCTCCCGAGGTGGCGTGGTCCCGCTCCGATCATCCATACGGTGCCTCATGGAGACACAG  
 TCACTGGCGTAACGATTATGCAAGTTAGACCCAAAAGATTCGATGTAGGCCCGATTCTCAAGCAGGAAAC  
 CGTCGCTGTTCTCCCAAGAGCACGTCAAAGGAATTGGAAGCAGTGTGTCAAACCTGGTGCCAACATG  
 CTTATCTCGGTTTTGAAAAATTTGCCAGAAAGTCTGAACAATGGAAGGCCACAGCCAGCCGAGGGAGTGA  
 CGTATGCTCCCAAGGTTTCTGCTGGCACCACTGTGTCAAGTGGGAGGAGCAAACCTCAGAGCAAGTACT  
 CAGACTTCACCTTGCCATCGGGGACATAGTTCCACTGCAAACTCTGGATGGAGAACACCGTTAAACTT  
 CTGGATCTCGTAGAAGTTAACTCTATCCTTGCAGATCCGAAAGTGTGGGACAACTGTGACTCCGG  
 GGTCTGTGGTGTACCACAGACCGTCCGAAATGCTGCTAGTTCACTGCAAGGATGGCTGGATCGGGGTTCCG  
 ATCAATAATGCACAAGAAAACACTAACAGCTACTGATTCTACAATGGATATTTGCATGCGTGGTACCAG  
 AAGAATCCCATGCTTACCCAAGCCAGTGAAGTTTCAGACTCTCAGACTTCCAACAAAGACGCAGCAGA  
 AAACAAAGTTGTTGCTGTGCAGTGCATTAAGTAGCTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



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<b>ACCN:</b>	NM_001009697
<b>Insert Size:</b>	1158 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>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>NM_001009697.1, NP_001009697.1</u>
<b>RefSeq Size:</b>	1415 bp
<b>RefSeq ORF:</b>	1158 bp
<b>Locus ID:</b>	315763
<b>UniProt ID:</b>	<u>Q5I0C5</u>
<b>Cytogenetics:</b>	8q24
<b>Gene Summary:</b>	Formylates methionyl-tRNA in mitochondria. A single tRNA(Met) gene gives rise to both an initiator and an elongator species via an unknown mechanism (By similarity). [UniProtKB/Swiss-Prot Function]