

## Product datasheet for MC211010

### Mterf4 (NM\_178051) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mterf4 (NM\_178051) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Mterf4  
**Synonyms:** 1810059A23Rik; 4933412H03Rik; Mterfd2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC211010 representing NM\_178051  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCTTCGCTGGGAAGGCAGGTTCTGAGTGGCATCGTCTACTGGCCCTCTCTGGGCCTGTTTGGTTA  
 GGCAGACCCCTCATCTCAGAGAACAGAAACAGATGAGCCCTTCTTTGTCTTGCAAACGACTACAGTGCC  
 CGGTAGAGGAAGCTTTCAAGAGTTTTCCAGCATTACACCCAAAAGTACATGCAGGAACAGAAAACAGG  
 ACACGACTTGTTCAAGTCTTTCATGAGGAACAGAACGCTTGTGTGGATCCTGAGTCTTGAGCCTGAAA  
 AGGTCATCCGTTCCCTCCAGGACATGGTTTTGCTGAAGCCACATTCACAGCTTGTAGTATACAGCC  
 AAGTGTCCATCCTCAACAGTTGCTGGGTATAGTTTCAGAACTCCTACTCTTGGGGTTGAACCCAGAGCCT  
 GTATTTAATGCCTTGAAGAAAAATCCCCAGTTGCTGAACTGTCTAGCATGCAGATGAAGAGGCCTTCCA  
 GTTACCTTCGGAAGCTTGGCCTTGGAGAAGGAACTGAAGCGGGTGTGTCCGTTTGGCCTGAGTTTTT  
 CACCATGCATCAGCGGGACATTGACCGAGTTGTGAAGTCTCAGGGAGAAGTGTGTTTACGGCACAG  
 CACATCACAGACGTTCTGCACAGATGCCCCACTGTTTTGCAGGAGGACCCCAACGAGCTAGAATACAAAT  
 TCCAGTATGCATATTTCAAGGATGGGACTCACACATCTAGACATAGTCAGGACGAATTTCTACAGTATTC  
 AATAACCAAGATCAAGCAGAGACATTTACCTGGAGCGCTTGGACGGTACCAGACCCCTGATAAGAAG  
 GGGCAGACACAGATCCCTAATCCCTCACTGAGGAACATTCTCAGAGTTTCTGAAGCTGAGTTTTTGGCCA  
 GGACAGCCTGTTCTCTGTGAGGAGTTTCAAGTTTTTAAAAAATCTTGGATCAAGAGGAGGAGGAGGA  
 GTCTGAGAGCCATGCATCTGAGGAGGAAGAGGAAGAGGAGGAAGAGGAGGAGCTACT**GTGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_178051



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<b>Insert Size:</b>	1041 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>	<a href="#">NM_178051.4</a> , <a href="#">NP_835152.1</a>
<b>RefSeq Size:</b>	1330 bp
<b>RefSeq ORF:</b>	1041 bp
<b>Locus ID:</b>	69821
<b>UniProt ID:</b>	<a href="#">Q8BVN4</a>
<b>Cytogenetics:</b>	1 D
<b>Gene Summary:</b>	Regulator of mitochondrial ribosome biogenesis and translation. Binds to mitochondrial ribosomal RNAs 16S, 12S and 7S (By similarity). Targets NSUN4 RNA methyltransferase to the mitochondrial large ribosomal subunit.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).