

## Product datasheet for **MC203189**

### Mterf3 (NM\_025547) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mterf3 (NM\_025547) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Mterf3  
**Synonyms:** 2410017118Rik; Mterfd1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC025173  
GGCGTAGGTTGCACGGTCGCTGTGAAGCAGGAGCGGAGACCCGCCCGCCGGATTACTGTCGGCCT  
ACCTGTACCCAGCAGAGTCCGGGAGCCTCGCGGCTTGACTAAAAATGTCAAAAAGAAAATGGCTCTGTAG  
CCCAACAGTTACCCAGAGCGGTTCAACTCAGTTAAGTTGACTAGCTTCATTAAGCCAAACAAGTCACCAA  
ACGCTCTGCAAGAGCAGGAAAAGCCGTGTTGCCGGCTTCTCAGCTCAGCCTCTGCTCTCCTCTGACACG  
AGCTTTCTCCGGCGGGGAATTAAGACTTACAGGACTTTGTTCTGGAATCGTTTCCATTCTGCCAGCACAA  
ATAGGACAAAGAGTTCTGCCGAAAGCACTCTGCTTCTCAGTGGCTGAACAGCAGGAGAGGATACTTAG  
TCTTGAATCAGAGCTGCCTCTTGAAGAAGTGGATGACCTGCCTCCATTGTCTCCGTTACAGTCAGTTTCA  
GAGGAGGAGGCTATTCAGATTGCTGCGTACTCTCCGCTGCCCATCTCCTCCTTACACTTGCAGATTACG  
TAGACCATTCCAAGACTCTGCAGAAGCTAGTGCAGCTTGGAGTGGATTTGTCTAAGATAGAAAAACATCC  
AGATGCAGCCAACCTCCTTCTAAGGCTGGATTTTGAAGCACATTAAGCAAATACTGCTATTTCTTAAA  
GATTTGGGTTTAGAAGATAACCAGCTGGGACATTTCTGACAAAAAATTATGCTATTTCTCTGAAGACC  
TTGAAAACCTTAAGACCAGAGTAGCTTATCTACAGTCAAAAAATTTAGTAAGACAGACATTGCACGGAT  
GGTCAAAAATGCACCATTTCTGTTGAGCTTCTCCGTGGAAGACTAGATAACAGACTGGGATTTTTTCAG  
AAAGAACTTGAAGTGAAGAAAGACTAGAGATCTGGTTGTTTCGCCTTCCAAGGCTACTAACAGGAA  
GTCTGGAGCCTGTGAAGGAAAACATGAAGGTTTATCATCTTGAAGTTGGTTTTAAACATAATGAAATTCA  
ACATATGGTCATCAAGATTCCTAAGATGCTAACTGCAACAAAAGAAAACCTTACAGAGATTTTTGATTAT  
GTACACAATGTGATGAATATTTCCACCACATCATCGTCAAGTTTCCACAGTTATTTAACACAAGAGTGT  
TTAAAATTAAGAAAGACACTTGTTCCTGCTACCTGGGAAGAGCACAGTATGACCCAGCAAAACCTTAA  
CTATGTTTCTTTGGACAAGTTCGTATCTTTTCTGATAAAAATTTTTGTAAAGAGATTGCCAAAGCTTCA  
CTAAATGATTTTGAAGAAATTTCTTAAAAACGCTTTAGTTTTTGTGAATGTTTAAATATATTTCTGTAAAT  
ATATATATGAATAAATGTATTTTAAAAATAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_025547  
**Insert Size:** 1239 bp



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<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="#">BC025173</a> , <a href="#">AAH25173</a>
<b>RefSeq Size:</b>	1444 bp
<b>RefSeq ORF:</b>	1239 bp
<b>Locus ID:</b>	66410
<b>UniProt ID:</b>	<a href="#">Q8R3J4</a>
<b>Cytogenetics:</b>	13 B3
<b>Gene Summary:</b>	Binds promoter DNA and regulates initiation of transcription (By similarity). Required for normal mitochondrial transcription and translation, and for normal assembly of mitochondrial respiratory complexes (PubMed:17662942, PubMed:23300484). Required for normal mitochondrial function (PubMed:17662942, PubMed:23300484). Maintains 16S rRNA levels and functions in mitochondrial ribosome assembly by regulating the biogenesis of the 39S ribosomal subunit (PubMed:17662942, PubMed:23300484).[UniProtKB/Swiss-Prot Function]