

## Product datasheet for MC202791

### Mterf1a (NM\_001013023) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mterf1a (NM\_001013023) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Mterf1a  
**Synonyms:** 4931431L11Rik; 9230106K09Rik; Mterf; Mterf1; mTERF1b  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC082778 sequence for NM\_001013023  
GGGCGGAAGTCAAAGGTGTCTACCGCGAGTGTTCGATTTGAAAACTTTGGGCTACCTGATGATTATGGC  
ATCAAGAAACATCTGGTGTGTGAGAAGAACTTTCTCTTTGATTTAAGAGGCTGGATGCTCAATATTCA  
GCAGAAGTTTTCTCAAGTCGATTTTCATTCAGGCCGTTTGTGTGGAATGCGACAGTAAGACAAGGAGT  
CTTTGGAGGAGGAGGGAGGACCTGCTGAGCACTTAGTCACCATGGGCGTTGATATCGACATGGCAAG  
GAGGCGACAGCCTGGAGTTTTTAACAAGGCTGTTACGAATGAGCAGGAGCTGAAGATATTTCTTCTGTCC  
AAGGGAGCTAGTGACAAAGTGATTGGTAGCATCATCAAGATATCCACGAGCTATAACACGCACTCCTG  
AAAGTCTTTCAAACGGTGGCATCTGTGGAGAAAGATTATGGCATCAGACCTTGAATTGAAATATTTT  
GGAGCGTTCTCCTGAATCCTTTTTTCGATCTAATAACAATCTAACTTAGAGAATAATATAAAGTTCCTT  
TGCTCTGTTGGATTGACTCATAAATGCCTTGCCGACTGTTGACCAATGCTCCAGAACCTTCTCCAACA  
GTCTGAATTTGAATAAGCAAATGGTTGAATTTTTGCAGGAGACTGGTATGTCCTTAGGTCACAATGATCC  
CAGAGATTTGTGAGAAAGATAATTTCTAAAAACCTTCCATCTTAATTCAGAGCACCAAGCGTGTAAAA  
ACTAACATTGAATTTTTACAATCACTTTCAACTTGAACAAACGGGACCTGCTGCTTCTGATATGTGGCC  
CAGGAGCTAGAATCTTAGACCTTCCAATGACTGTACCAAAAAAATTACACAAACATAAGAGAGAGGCT  
GCTTTCTCTTGGATGCAGTGAGGAGGAGGTACAGAGGTTTGTCCCTAAGCTATCTGAATATGGTCTTCTTG  
TCAGAGAAAAAGTTAATGATAAAATAGACTGCCTTATAGAAGAAAAAATCAGTGCTTACAAAATAATTG  
AAAATCCGAGGATTTTAGACTCCAGCATAAATACTTTAAAACTCGCATCCGAGAGCTGTCCCATGCTGG  
GTATGACTTGAGCACATCCAGCATTGCTCTGCTGTCTGGAGTCAGAGAAGATATGAAGCTAAACTGAAG  
AGATTATGTGGATAGGACAGTGCAGGAGGAGTAGCAGGCAATCTGACAGGTGTGGCACTGGTTCCAGTTT  
GGACTTTTCAAGCAGGAGATTTTGTTTTTTAAATTTTAAATTTTAAATTTTAAATAAAAAAATT  
TAAAAATATTTAAGATTAATAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_001013023  
**Insert Size:** 1140 bp



[View online »](#)

<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="#">BC082778</a> , <a href="#">AAH82778</a>
<b>RefSeq Size:</b>	1372 bp
<b>RefSeq ORF:</b>	1140 bp
<b>Locus ID:</b>	545725
<b>UniProt ID:</b>	<a href="#">Q8CHZ9</a>
<b>Cytogenetics:</b>	5 A1
<b>Gene Summary:</b>	<p>Transcription termination factor. Binds to a 28 bp region within the tRNA(Leu(uur)) gene at a position immediately adjacent to and downstream of the 16S rRNA gene; this region comprises a tridecamer sequence critical for directing accurate termination. Binds DNA along the major groove and promotes DNA bending and partial unwinding. Promotes base flipping. Transcription termination activity appears to be polarized with highest specificity for transcripts initiated on the light strand.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.</p>