

## Product datasheet for MC210676

### Tmem178 (NM\_026516) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tmem178 (NM\_026516) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tmem178  
**Synonyms:** 2810417M05Rik; Tmem178a  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >MC210676 representing NM\_026516  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGCCACGGGCGCTCGTCACGGCGCTAAGCCTCGGCCTCAGCCTTTGCTCCCTGGGGCTGCTCGTCA  
 CGGCCATCTTCACCGACCACTGGTACGAGACCGACCCCGGCCACAAGGAGAGCTGCGAGCGCAGCCG  
 CGCGGGCGCCGACCCCGGATCAGAAGAACCCTGATGCCGCTGTCGACCTGCCGCTGCGGGACTCG  
 CCTCCCCTGGGGCGCCGGCTGCTCCCGCGGCCCGGGCGCTCAGACCCTGAGTCTGGCCTCGCTTC  
 TGGGGCTTGGCGGTTGGACGCTGAGTGTGGCCGCCACTGTTGCCACCTACTCGGGCCTCTGGAGGAA  
 GTGCTACTTTCTGGGCATCGACCGGACATCGACACCCTCATCCTGAAAGGTATTGCACAGCGATGCACA  
 GCAATCAAGTACCACTTTTCTCAGCCAATCCGCTTAAGAAACATTCTTTCAATTAACCAAGACAATCC  
 AGCAAGATGAATGGCACCTGCTTCATCTAAGAAGAATAACAGCTGGCTTCTGGGCATGGCGGTGGCTGT  
 CCTGCTGTGTGGCTGCATTGTGGCCACGGTCAGCTTCTTCTGGGAGGAAAGCCTGACCCAGCACGTGGCC  
 GGACTCCTATTCTCATGACAGGGATATTTGCACCATCTCGCTCTGCACGTACGCCCGCCAGTGTCTCT  
 ATGACTTGAACCGGGTCCCGAAGCTAATTTACAGCCTGCCTCATGATGTGGAACATGGCTACAGCTGGTC  
 CATCTTTTGTGCCTGGTGCAGTTTAGGTTTTATCGTGGCAGCTGGAGGTCTCTGCATCGCTTATCCGTTT  
 ATTAGCCGGACGAAGATTGCACATCTAAAGTCTGGCAGGGACTCCACGGT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_026516  
**Insert Size:** 894 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="#">NM_026516.2</a> , <a href="#">NP_080792.2</a>
<b>RefSeq Size:</b>	1696 bp
<b>RefSeq ORF:</b>	894 bp
<b>Locus ID:</b>	68027
<b>UniProt ID:</b>	<a href="#">Q9CZ16</a>
<b>Cytogenetics:</b>	17 E3
<b>Gene Summary:</b>	Acts as a negative regulator of osteoclast differentiation in basal and inflammatory conditions by regulating TNFSF11-induced Ca (2+) fluxes, thereby controlling the induction of NFATC1 (PubMed:26644563).[UniProtKB/Swiss-Prot Function]