

## Product datasheet for **MC200979**

### Tmem38b (NM\_028053) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tmem38b (NM\_028053) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tmem38b  
**Synonyms:** 1600017F22Rik; AA437809; AV051057; D4Ert89e; mg33b; TRIC-B  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC011072 sequence for NM\_028053  
 CGGCTGCCGCGGCTGCTGGGGCCGGCGGCTCGGTAGTCGTCATGGAGTACCCGTGGGATGATCTGACTC  
 TGGCCTTTTCCCGCACGTCATGTTCCCTTTTTGATATCGCCACTACCTGGTGTGGTATGGCGCT  
 GAAGCAGCGGCCAGGAGCAGTGGCGGCGCCTGGAATAACCCCTGGCTAGCTGGCTGAGTGCCATGCTC  
 CATTGCTTTGGTGGAGGAATTTATCCTGTATGCTGCTTGCAGAGTCTCCATTGAAGTTTCTTACAACC  
 AACTAATATTTACTGGCATCTCAATCTGGTATATTGTATTCTTTGCCCTCGTGACCTAGTTTCCCA  
 GGGTTATTCATATCAACCTATTCAGTTCCTGGCTGCGGGAATGAAGGAAGTGACCCGGACGTGAAAAATA  
 GTAGGCGGAGTCTCGGATGCTAATAGCTATTACAGAAATGCTGGATAGTCATGATAGTTGTTGGATGGG  
 CCCGAGGTGCAGGTGGTGTGCTGTCGTCACAGCTTGTGAACAGTTGTTAAAAGGAGACTGAAACCAGAAGG  
 TGATGAATGGCTGAAGATGTCCTCCCTTGCAAGATAACCCTGCTGGGGTCAATTATGTTACCTTCCAG  
 CACACCAGGCACCTGGCGATCTCAAAGCATGATCTCATGTTCCCTTACACTATCTTCCCTGCGTACCATAA  
 AGGTAACCATGATGATGACAAAGGATACTGCTGTGACTCTCACTCCCTTTGAGGACACCCTGACTCGGAT  
 GCTTTTTGGCCGCGGCGCAGCAGCAGCAGTTTTTCATCGAGTGAAAAGAAAAGTGAAGTCAAACCGTCTTCC  
 AATGGTTCTGCCTCAAGTGCATCGAAGCGGGGAGCAGAGCCTTCGGGTGGTGTAAAGAGACACGCCAAGA  
 AAGAAGACTGAGGGTCCGCTGGGCGTGGAGGAGGAGGAGTACTTCTCTCAGAGTGTGCCCGTG  
 GTTCTGTGAATGATGTGAGAGAGCGCTTATGTGAAGGGTGGAGGAGACAAAAGAGGAAGTCTTTGGTT  
 CAGGGACACCGCTCGCTCTGCTGGTGTAGCTCTTGGGGTACAGAGTGTATCATGTAATTTATTTTTCT  
 GGTGTAAGAGATTCTCATAATTTATTTGGATAGTTTTATATTGATAAAAAGAATAATTTTTTAAATGTTACA  
 AAAAGTTCACTTGTACTGCAAAATTTAAGAATTTAACAATAATTTTCACTATTTTCCAGTATAATTCCTGTAT  
 ATAGAAGACGATTCTATTTAATTTTGAACATGGAGAATTTTCTAAATACTTTTTAACCTAAAATAAA  
 CTAATAGTGTCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_028053  
**Insert Size:** 879 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>	<u><a href="#">BC011072</a></u> , <u><a href="#">AAH11072</a></u>
<b>RefSeq Size:</b>	1440 bp
<b>RefSeq ORF:</b>	879 bp
<b>Locus ID:</b>	52076
<b>UniProt ID:</b>	<u><a href="#">Q9DAV9</a></u>
<b>Cytogenetics:</b>	4 28.76 cM
<b>Gene Summary:</b>	Monovalent cation channel required for maintenance of rapid intracellular calcium release. May act as a potassium counter-ion channel that functions in synchronization with calcium release from intracellular stores.[UniProtKB/Swiss-Prot Function]