

## Product datasheet for **MC226659**

### **Tmem176b (NM\_001286652) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tmem176b (NM\_001286652) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tmem176b  
**Synonyms:** 1810009M01Rik; Clast1; Lr8  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226659 representing NM\_001286652  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGTCCAGAGCACAGTACTGTGAATGGAGTCAAAGTGGCCTCCACACATCCCCAGTCCGCTCACATCA  
 GCATCCACATCCACAAAAATCTGCTTTGGAGCAGCTGCTGGGAGCTGTGGGCTCCCTGAAGAAGTTTCT  
 CTCTGGCCTCAGGCCAGAATCCACTATGGGCAGCTGTCTCTAGGGGTGACCCAGATATTGCTGGGGCTT  
 GTGAGCTGTGCTCTGGAGTATGTCTCTACTTCGGGCCTTGACTGAGCTGTGCGCCTTTGGCTGTGCTT  
 TCTGGTCCGGGTCTGTGGCAATTCTAGCTGGAGTTGGTACTATTGTCCATGAGAAGAGGCAGGGAAAAC  
 GTCCGGCCAGGTATCATGTCTCCTCCTCTGGCTTGCAATGCCACAGCTGCAGCTGCTACCGTTCTGGGT  
 GTGAACAGCTTAATCAGGCAAACAGTGTTCCTACTACGTCGAGATCTTTCCACATGCAACCCCTTGC  
 AATCAAGCATGGACCCTGGGTATGGGACAGTGCATACAGTGATGATTACAGCTGGAAGACAGAGAGGTG  
 CAGAGAGTACCTGAACATGATGATGAACCTGTTCCCTAGCGTCTGCATCATGCTCACAGTGGTCTGTATC  
 CTGGAGATTGTTGTCTGTGGCTTCCCTGGGACTAAGTCTCCGAAGTATGTATGGCCGGAGCTCCCAGG  
 CCCTGAATGAAGAAGATCAGAGAGGAAGCTTCTTGATGGGATCCAGCACCTGCGTCCCGGCCAAAGA  
 GAAGATCCCTGCTATCCTG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001286652  
**Insert Size:** 792 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>NM_001286652.1, NP_001273581.1</u>
<b>RefSeq Size:</b>	1181 bp
<b>RefSeq ORF:</b>	792 bp
<b>Locus ID:</b>	65963
<b>UniProt ID:</b>	<u>Q9R1Q6</u>
<b>Cytogenetics:</b>	6 23.75 cM
<b>Gene Summary:</b>	May play a role in the process of maturation of dendritic cells (By similarity). Required for the development of cerebellar granule cells.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (6) differs in the 5' UTR compared to variant 1. Variants 1 through 6 encode the same protein.