

## Product datasheet for RN216184

### Tmem176b (NM\_001270589) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tmem176b (NM\_001270589) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tmem176b  
**Synonyms:** Lr8; Torid  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN216184 representing NM\_001270589  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCCAAGCCACAGTACTGTGGATGGAGTCAAAGTGACTTCCACACGCCCTCAGTCTGCCAGATCA  
 GCATCCACATCCACCACAAATCAGCCTTGGAGCAGCTGCTGGGAGCTATGGCTCCCTGAAGAAGTTTCT  
 CTCTACCCTCAGGCCAGAATCCACTATGGGCAGCTGTCTCTAGGGGTGACCCAGATATTGCTGGGGCTT  
 GTGAGCTGTGTTCTTGGAGTGTGTCTCTACTTCGGGCCTTGGACAGAGCTGTGTGCCTCTGGTTGTGCCT  
 TCTGGTCAGGGTCTGTGGCAATTTGGCTGGAGTGGGTATCGTCATCCATGAGATGGGACAGGAAAAC  
 GTCCGGCCACATATCACGGCTGCTCCTCCTGGCTTGTCTGCTACAGCTGCAGCTGCTACCGTTATGGGT  
 GTGAAAAGCCTCATCTGGCAAACAGTGCTTCTACTACTTCGAGATCAGTTCCACATGTGACTCCTTAC  
 AACCAAGCATTGTCGATAGGTTTCGGTCAGTGCGATTCACTGACGACTCAGACTGGAGGACAGAGAGGTG  
 CAGAGAGTACCTGAGAATGATGATGAACCTGTTCTGGCATTCTGCATCCTGTTACGGTTATCTGTATC  
 CTGAAGATTGTTGTCTGTGGCTTCCCTGGGACTAAGTCTCCGGAGTATGTGTGGCCGGAACCCAGG  
 TCTTGAATGATGAAGACAGAGAAGAAGCTTCTTGGGGGGATTCCGGCACCGCCCTCCCGACCAAGA  
 GAAGATTCTGTTACCCATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001270589  
**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_001270589.1, NP_001257518.1</u>
<b>RefSeq Size:</b>	1680 bp
<b>RefSeq ORF:</b>	792 bp
<b>Locus ID:</b>	171411
<b>UniProt ID:</b>	<u>Q925D4</u>
<b>Cytogenetics:</b>	4q24
<b>Gene Summary:</b>	Required for the development of cerebellar granule cells (By similarity). May play a role in the process of maturation of dendritic cells.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. All seven variants encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.