

Product datasheet for **RN216187**

Tmem176b (NM_001270592) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem176b (NM_001270592) 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: >RN216187 representing NM_001270592
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCAAGCCACAGTACTGTGGATGGAGTCAAAGTGACTTCCACACGCCCTCAGTCTGCCAGATCA
GCATCCACATCCACCACAAATCAGCCTTGGAGCAGCTGCTGGGAGCTATGGCTCCCTGAAGAAGTTTCT
CTCCTACCCTCAGGCCAGAATCCACTATGGGCAGCTGTCTCTAGGGGTGACCCAGATATTGCTGGGGCTT
GTGAGCTGTGTTCTTGGAGTGTGTCTCTACTTCGGGCCTTGACAGAGCTGTGTGCCTCTGTTGTGCCT
TCTGGTCAGGGTCTGTGGCAATTTGGCTGGAGTGGGTATCGTCATCCATGAGATGGGACAGGAAAAC
GTCCGGCCACATATCACGGCTGCTCCTCCTGGCTTGTCTGCTACAGCTGCAGCTGCTACCGTTATGGGT
GTGAAAAGCCTCATCTGGCAAACAGTGCTTCTACTACTTCGAGATCAGTTCACATGTGACTCCTTAC
AACCAAGCATTGTCGATAGGTTTCGGTCAGTGCATTCACTGACGACTCAGACTGGAGGACAGAGAGGTG
CAGAGAGTACCTGAGAATGATGATGAATTGTTCTGGCATTCTGCATCCTGTTACGGTTATCTGTATC
CTGAAGATTGTTGTCTGTGGCTTCCCTGGGACTAAGTCTCCGGAGTATGTGTGGCCGGAACCCAGG
TCTTGAATGATGAAGACAGAGAAGAAGCTTCTTGGGGGGATTCCGGCACCGCCTCCCGACCAAAGA
GAAGATTCTGTTACCCATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001270592
Insert Size: 792 bp



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OTI Disclaimer:	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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	<u>NM_001270592.1, NP_001257521.1</u>
RefSeq Size:	1140 bp
RefSeq ORF:	792 bp
Locus ID:	171411
UniProt ID:	<u>Q925D4</u>
Cytogenetics:	4q24
Gene Summary:	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 (5) 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.