

Product datasheet for **RR216188**

Tmem176b (NM_001270593) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem176b (NM_001270593) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tmem176b
Synonyms: Lr8; Torid
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216188 representing NM_001270593
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCAAGCCACAGTGACTGTGGATGGAGTCAAAGTGACTTCCACACGCCCTCAGTCTGCCAGATCA
GCATCCACATCCACCACAAATCAGCCTTGGAGCAGCTGCTGGGAGCTATGGCTCCCTGAAGAAGTTTCT
CTCCTACCCTCAGGCCAGAATCCACTATGGGCAGCTGTCTCTAGGGGTGACCCAGATATTGCTGGGGCTT
GTGAGCTGTGTTCTTGGAGTGTGTCTCTACTTCGGGCCTTGGACAGAGCTGTGTGCCTCTGTTGTGCCT
TCTGGTCAGGGTCTGTGGCAATTTGGCTGGAGTGGGTATCGTCATCCATGAGATGGGACAGGAAAAC
GTCCGGCCACATATCACGGCTGCTCCTCCTGGCTTGTCTGCTACAGCTGCAGCTGCTACCGTTATGGGT
GTGAAAAGCCTCATCTGGCAAACAGTGCTTCTACTACTTCGAGATCAGTTCCACATGTGACTCCTTAC
AACCAAGCATTGTCGATAGGTTTCGGTCAGTGCGATTCACTGACGACTCAGACTGGAGGACAGAGAGGTG
CAGAGAGTACCTGAGAATGATGATGAACTTGTTCCTGGCATTCTGCATCCTGTTACGGTTATCTGTATC
CTGAAGATTGTTGTGTCTGTGGCTTCCCTGGGACTAAGTCTCCGGAGTATGTGTGGCCGGAACCCAGG
TCTTGAATGATGAAGAGACAGAGAAGCTTCTTGGGGGGATTTCGGCACCGGCCTCCCGACCAAAGA
GAAGATTCTGTTACCCCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216188 representing NM_001270593
 Red=Cloning site Green=Tags(s)

MAQATVTVDGVKVTSTRPQSAQISIIHHKSALEQLLGAMGSLKKFLSYPQARIHYGQLSLGVTQILLGL
 VSCVLGVCLYFGPWTELCASGCAFWSGSVAILAGVGIVIHMQGKLSGHSRLLLLACSATAAAATVMG
 VKSLIQWTSASYFEISSTCDSLQPSIVDRFRSVRFTDDSDWRTERCREYL RMMNLF LAF CILFTVICI
 LKIVVSVASLGLSLRSMCGRNSQVLNDEETEKLLGGDSAPASPTKEKIPVPT

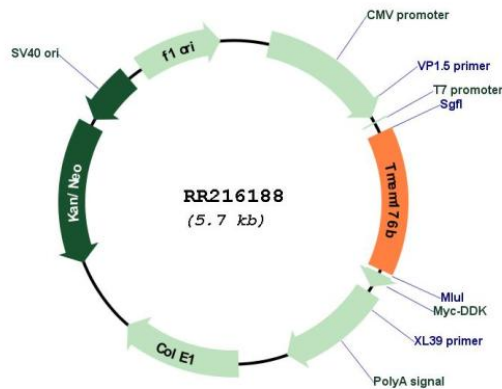
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001270593
ORF Size: 789 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001270593.1 , NP_001257522.1
RefSeq Size:	1077 bp
RefSeq ORF:	792 bp
Locus ID:	171411
UniProt ID:	Q925D4
Cytogenetics:	4q24
MW:	28.5 kDa
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]