

Product datasheet for RN202881

Tmem106b (NM_001004267) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem106b (NM_001004267) Rat Untagged Clone
Tag: Tag Free
Symbol: Tmem106b
Synonyms: LRRGT00101
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN202881 representing NM_001004267
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGAAAGTCTCTTTCTCATTTACCTTTGCATTCCAATAAAGAAGATGGCTATGATGGGGTCACATCAA
 CAGACAATATGAGGAATGGATTGGTTAGCAGTGAGGTGCGTAACGAAGACGGAAGAAGTGGAGACGTCTC
 TCAGTTTCCATACGTGGAGTTTACTGGAAGAGATAGTGCACTTGTCCCCTTGTCAAGGGACAGGAAGA
 ATCCCTAGGGGGCAAGAAAACCAACTGGTGGCATTGATTCCATATAGTGATCAACGGTTACGACCAAGAA
 GAACAAAGCTGTATGTGATGGCATCTGTGTTTGTCTGCCTGCTCCTGTCTGGATTGGCTGTGTTTTTCT
 TTTCCCTCGATCTATTGACGTGAAGTACATTGGTGTAATAACAGCCTATGTTAGTTACGACTCTCAAAG
 CGAATGATATATTTAAACATCACGAACACACTAAATATAACAAATAATAACTATTATTCTGTTGAAGTTG
 AAAACATCACTGCTCAAGTTCAGTTTTCAAAAACAGTGATTGGGAAGGCACGGTTAAGCAACATAACTAA
 CATTGGCCCACTTGATATGAAGCAGATTGATTACGGTACCCACAGTTATTGCCGAGGAAATGAGCTAC
 ATGTATGATTTCTGTACACTGCCCTCCATCAAAGTACACAACATAGTACTCATGATGCAAGTTACTGTAA
 CAACAGCATACTTTGGCACTCTGAGCAGATATCTCAGGAGAGGTACCAGTATGTTGACTGTGGAAGGAA
 CAGGACTTACCAGTTGGCCAGTCTGAGTATCTAAATGTCTTCAGCCACAACAATAA

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001004267
Insert Size: 828 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).
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_001004267.1</u> , <u>NP_001004267.1</u>
RefSeq Size:	1879 bp
RefSeq ORF:	828 bp
Locus ID:	312132
UniProt ID:	<u>Q6AYA5</u>
Cytogenetics:	4q21
Gene Summary:	Involved in dendrite morphogenesis and maintenance by regulating lysosomal trafficking via its interaction with MAP6. May act by inhibiting retrograde transport of lysosomes along dendrites. Required for dendrite branching.[UniProtKB/Swiss-Prot Function]