

## Product datasheet for MC211243

### Tmem106b (NM\_027992) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem106b (NM_027992) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmem106b
Synonyms:	2310036D22Rik; 5830455K21Rik; 6430519M21Rik; AI428776; AI661344
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC211243 representing NM_027992 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGGAAAGTCTCTTTCTCACTTACCTTTGCATTCAAATAAAGAAGATGGCTATGATGGCGTTACATCGA  
CAGACAATATGAGAAATGGATTGGTTAGCAGTGAAGTGCACAACGAAGACGGAAGAAATGGAGATGTCTC  
TCAGTTCCCATATGTGGAATTTACTGGAAGAGATAGTGTCACTTGTCCCACTTGCCAAGGAACAGGAAGA  
ATTCCTAGGGGACAAGAAAACCAACTGGTGGCATTGATTCCATATAGTGATCAGCGGTTACGGCCAAGAA  
GAACAAAGCTGTATGTGATGGCGTCTGTGTTTGTCTGCCTGCTCCTGTCTGGATTGGCTGTGTTTTTCT  
TTTCCCTCGATCTATTGAGGTGAAGTACATTGGAGTAAAATCAGCCTATGTCAGCTACGACGCTGAAAAG  
CGAACCATATATTTAAATATCACGAACACACTAAATATAACAAATAATAACTATTATTCTGTTGAAGTTG  
AAAACATCACTGCTCAAGTCCAGTTTTCAAAAACCGTGATTGGAAAGGCTCGTTTAAACAACATACTAA  
CATTGGCCCACTTGATATGAAGCAGATTGATTATACGGTACCCACAGTTATTGCAGAGGAAATGAGTTAC  
ATGTATGATTTCTGTACACTGCTCTCCATCAAAGTGCACAACATAGTACTCATGATGCAAGTTACTGTAA  
CAACAGCATACTTTGGACACTCTGAGCAGATATCTCAGGAAAGGTACAGTATGTCGACTGTGGAAGGAA  
CACGACTTACCAGTTGGCCAGTCTGAGTATCTAAATGTCCTTCAGCCACAACA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_027992
Insert Size:	828 bp



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<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_027992.3</a> , <a href="#">NP_082268.2</a>
<b>RefSeq Size:</b>	6099 bp
<b>RefSeq ORF:</b>	828 bp
<b>Locus ID:</b>	71900
<b>UniProt ID:</b>	<a href="#">Q80X71</a>
<b>Cytogenetics:</b>	6 A1
<b>Gene Summary:</b>	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 (By similarity).[UniProtKB/Swiss-Prot Function]