

## Product datasheet for **MC217997**

### **Tmem63b (BC057136) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tmem63b (BC057136) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmem63b
Synonyms:	BC026370
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >BC057136  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGATCAACCCCAAACCGTGTGGTCACCTCTGCTGCTGTGTGGTTCGAGGCTGCGAGCAGGTGGAGGCCA  
TTGAGTACTACACAAAGCTGGAGCAGAGGCTGAAGGAAGACTACAGGCGGAGAAGGAGAAAGTGAACGA  
GAAACCTCTGGGCATGGCCTTTGTACCTTCCACAATGAGACCATCACAGCCATCATCTAAAGGACTTC  
AACGTGTGCAAATGCCAGGGCTGTACTGCCGCGGGGAGCCGAGAGCCTCCTCTGCAGCGAAGCACTGC  
ATATCTCCAAGTGGACCTGACCTACGCCCTGACCTCAGAACATCTATTGGGAACACCTCTCCATCCG  
AGGCTTCATCTGGTGGCTGCGCTGCCTGGTCATCAATGTGGTCTCTTATTCTGCTCTTCTTCTCACC  
ACCCCGGCCATCATCACCACCATGGACAAGTCAACGTCACCAAGCCTGTGGAGTACCTCAACAACC  
CGATCATACCCAGTTCTTCCCTACGCTACTGCTGTGGTCTTCTCGGCCCTGCTCCCACCATTGTCTA  
CTACTCCGCTTCTTGAAGCACACTGGACGCGCTCCGGGAGAACAGGACGACCATGCACAAGTGTAC  
ACTTTTCTCATCTTCATGGTGTCTTCTGCCCTCGCTGGGGCTGAGCAGCCTAGACCTCTTCTCCGCT  
GGCTTTTGACAAGAAATTCCTGGCTGAAGCAGCTATTCGGTTTGAGTGTGTCTTCTGCCCGACAACGG  
CGCTTTCTTCGTGAACACTACGTCATTGCCTCAGCCTTTATCGGTAACGCCATGGACCTGCTGCGCATCCCA  
GGCCTACTCATGTACATGATCCGGCTCTGCCTGGCGCGCTCCGCCGCTGAAAGACGCAACGTGAAGCGGC  
ATCAGGCTACGAGTCCAGTTTGGCGCAGCCTACGCTTGGATGATGTGCGTCTTACGGTGGTCATGAC  
CTACAGTATCACCTGCCCCATCATCGTGCCCTTCGGGCTCATGTACATGCTGTGAAGCACCTGGTAGAC  
AGGTACAATCTCTACTACGCCTACTTCCGGCCAAACTGGACAAGAAGATCCACTCGGGGCTGTGAACC  
AGTGGTGGCTGCGCCCATCTCTGCCTTCTGGTTGCTCTTCTTCTCCACCATGCGCACGGGTTTCT  
AGCCCCACATCTATGTTACCTTCGTTGTTCTGGTAATCACCATCGTCATCTGTCTCTGCCACGTCTGC  
TTTGGACACTTCAAATACCTCAGTGCCCAACTACAAGATTGAACACACAGAGACAGATGCCGTGAGCT  
CCAGAAGTAATGGACGGCCCCCACTGCTGGCGCTGTCCCAAACTGCGAAATACATCGCTCAGGTGCT  
GCAGGACTCAGAGGGGACGGGACGGAGATGGGGCTCCTGGGAGCTCAGGCGATGAGCCCCATCGTCC  
TCCTCCCAAGACGAGGAGTTGCTGATGCCTCCTGATGGCCTCACGGACACAGACTCCAGTCATGCGAGG  
ACAGCCTCATAGAGAATGAGATTCACCAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** BC057136

**Insert Size:** 1572 bp

**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:**

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:** [BC057136](#), [AAH57136](#)

**RefSeq Size:** 1702 bp

**RefSeq ORF:** 1571 bp

**Locus ID:** 224807

**Cytogenetics:** 17 B3

**Gene Summary:** Acts as an osmosensitive calcium-permeable cation channel.[UniProtKB/Swiss-Prot Function]