

## Product datasheet for **MR208385**

### **Tmem63b (BC057136) Mouse Tagged ORF Clone**

#### **Product data:**

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



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**ORF Nucleotide Sequence:**

>MR208385 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATCAACCCAAACCGTGTGGTCACCTCTGCTGCTGTGTGGTTCGAGGCTGCGAGCAGGTGGAGGCCA  
 TTGAGTACTACACAAAGCTGGAGCAGAGGCTGAAGGAAGACTACAGGCGGAGAAGGAGAAAAGTGAACGA  
 GAAACCTCTGGGCATGGCCTTTGTACCTTCCACAATGAGACCATCACAGCCATCATCTAAAGGACTTC  
 AACGTGTGCAAATGCCAGGGCTGTACTGCCGCGGGGAGCCGAGAGCCTCCTCTGCAGCGAAGCACTGC  
 ATATCTCCAAGTGGACCTGACCTACGCCCTGACCTCAGAACATCTATTGGGAACACCTCTCCATCCG  
 AGGCTTCATCTGGTGGCTGCGCTGCCTGGTCATCAATGTGGTCTCTTATTCTGCTCTTCTCCTCACC  
 ACCCCGGCCATCATCACCACCATGGACAAGTTCAACGTCACCAAGCCTGTGGAGTACCTCAACAACC  
 CGATCATACCCAGTTCTTCCCTACGCTACTGCTGTGGTCTTCTCGGCCCTGCTCCCACCATTGTCTA  
 CTACTCCGCTTCTTGAAGCACACTGGACGCGCTCCGGGAGAAGCAGGACGACCATGCACAAGTGTAC  
 ACCTTTCTCATCTTCATGGTGTCTTCTGCCCTCGCTGGGGCTGAGCAGCCTAGACCTCTTCTCCGCT  
 GGCTTTTGACAAGAAATTCCTGGCTGAAGCAGCTATTCCGTTTGAGTGTGTCTTCTGCCCGACACGG  
 CGCTTTCTTGTGAAGTACGTCATTGCCTCAGCCTTTATCGGTAACGCCATGGACCTGCTGCGCATCCCA  
 GGCTACTCATGTACATGATCCGGCTCTGCCTGGCGCGCTCCGCCGCTGAAAGACGCAACGTGAAGCGGC  
 ATCAGGCTACGAGTTCAGTTTGGCGCAGCCTACGCTTGGATGATGTGCGTCTTACGGTGGTCATGAC  
 CTACAGTACACCTGCCCCATCATCGTCCCTTCCGGCTCATGTACATGCTGTGAAGCACCTGGTAGAC  
 AGGTACAATCTCTACTACGCTACTTCCGGCCAAACTGGACAAGAAGATCCACTCGGGGCTGTGAACC  
 AGGTGGTGGCTGCGCCATCCTCTGCTTCTGTTGCTCTTCTTCTCCACCATGCGCACGGGTTTCTCT  
 AGCCCCACATCTATGTTACCTTCCGTTGTTCTGGTAATCACCATCGTCATCTGTCTCTGCCACGCTGC  
 TTTGGACACTTCAAATACCTCAGTGCCCAACTACAAGATTGAACACACAGAGACAGATGCCGTGAGCT  
 CCAGAAGTAAATGGACGGCCCCCACTGCTGGCGCTGTCCCAAACTGCGAAAATACATCGCTCAGGTGCT  
 GCAGGACTCAGAGGGGGACGGGACGGAGATGGGGCTCCTGGGAGCTCAGGCGATGAGCCCCATCGTCC  
 TCCTCCAAAGACGAGGAGTTGCTGATGCCTCCTGATGGCCTCACGGACACAGACTCCAGTCATGCGAGG  
 ACAGCCTCATAGAGAATGAGATTCACCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208385 protein sequence  
 Red=Cloning site Green=Tags(s)

MINPKPCGHLCCCVVRGCEQVEAIEYYTKLEQRLKEDYRREKEKVNEKPLGMAFVTFHNETITAIILKDF  
 NVCKCQGCTCRGEPRASSCEALHISNWTVTYAPDPQNIYWEHLSIRGFIWWLRCLVINVLFILLFFLT  
 TPAIIITMDKFNVTKPVEYLNPIITQFFPTLLLWCFALLPTIVYYSAFFEAHWTRSGENRTTMHKCY  
 TFLIFMVLLLPSLGLSSLDLFFRWLFDKFLAEAAIRFECVFLPDNGAFFVNYVIASAFIGNAMDLLRIP  
 GLLMYMIRLCLARSAERRNVKRHQAYEFQGAAYAWMMCVFTVMTYSITCPIIVPFLMYMLLKHLVD  
 RYNLYYAYLPAKLDKKIHSGAVNQVVAAPILCLFWLLFFSTMRTGFLAPTSMTFFVVLVITIVICLCHVC  
 FGHFKYLSAHNYKIEHTETDAVSSRSNGRPPTAGAVPKSAKYIAQVLQDSEGDGDGAPGSSGDEPPSS  
 SSQDEELLMPDGLTDTDFQSCEDSLIENEIHQ

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** BC057136

**ORF Size:** 1569 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:**

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

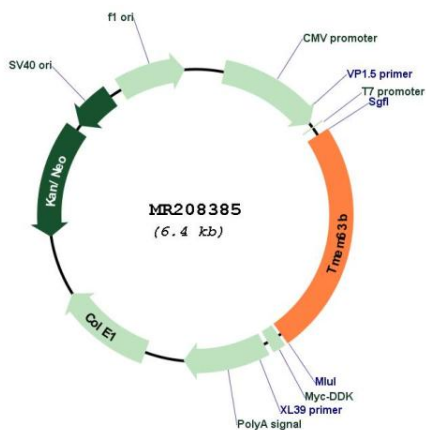
**Locus ID:** 224807

**Cytogenetics:** 17 B3

MW: 59.5 kDa

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

**Product images:**



Circular map for MR208385