

Product datasheet for **MG208385**

Tmem63b (BC057136) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem63b (BC057136) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tmem63b
Synonyms:	BC026370
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208385 representing BC057136
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATCAACCCCAACCGTGTGGTCACCTCTGCTGCTGTGTGGTTCGAGGCTGCGAGCAGGTGGAGGCCA
 TTGAGTACTACACAAAGCTGGAGCAGAGGCTGAAGGAAGACTACAGGCGGAGAAAGGAGAAAGTGAACGA
 GAAACCTCTGGGCATGGCCTTTGTACCTTCCACAATGAGACCATCACAGCCATCATCTAAAGGACTTC
 AACGTGTGCAAAATGCCAGGGCTGTACCTGCCGCGGGGAGCCGAGAGCCTCCTCTGCAGCGAAGCACTGC
 ATATCTCCAAGTGGACCTGACCTACGCCCTGACCTCAGAACATCTATTGGGAACACCTCTCCATCCG
 AGGCTTCATCTGGTGGCTGCGTGCCTGGTCATCAATGTGGTCCTCTTATTCTGCTCTTCTCTCACC
 ACCCGGCCATCATCATCACCACCATGGACAAGTTCAACGTCACCAAGCCTGTGGAGTACCTCAACAACC
 CGATCATACCCAGTTCTTCCCTACGCTACTGCTGTGGTCTTCTCGGCCCTGCTCCCCACCATTTGTCTA
 CTACTCCGCTTCTTGAAGCACACTGGACGCGCTCCGGGAGAACAGGACGACCATGCACAAGTGCTAC
 ACCTTTCTCATCTTCATGGTGTGCTTCTGCCCTCGCTGGGGCTGAGCAGCCTAGACCTCTTCTCCGCT
 GGCTCTTTGACAAGAAATTCCTGGCTGAAGCAGTATTCCGTTTGAAGTGTGTGTTCTGCCCGACAACGG
 CGCTTTCTTCTGAACTACGTACCTGCTCAGCCTTTATCGGTAACGCCATGGACCTGCTGCGCATCCCA
 GGCCTACTCATGTACATGATCCGGCTCTGCCTGGCGCGCTCCGCCGCTGAAAGACGCAACGTGAAGCGGC
 ATCAGGCCTACGAGTCCAGTTTGGCGCAGCCTACGCTTGGATGATGTGCGTCTTACGGTGGTCATGAC
 CTACAGTATCACCTGCCCCATCATCGTCCCTTCGGGCTCATGTACATGCTGTGAAGCACCTGGTAGAC
 AGGTACAATCTCTACTACGCCTACTTCCCGGCCAACTGGACAAGAAGATCCACTCGGGGGCTGTGAACC
 AGGTGGTGGCTGCGCCCATCTCTGCTCTTCTGTTGCTCTTCTTCTCCACCATGCGCACGGGTTTCTCT
 AGCCCCACATCTATGTTACCTTCGTTGTTCTGGTAATCACCATCGTCATCTGTCTCTGCCACGTCTGC
 TTTGGACACTTCAAATACCTCAGTGCACCAACTACAAGATTGAACACACAGAGACAGATGCCGTGAGCT
 CCAGAAGTAATGGACGGCCCCCACTGCTGGCGTGTCCCAATCTGCGAAATACATCGCTCAGGTGCT
 GCAGGACTCAGAGGGGGACGGGACGGAGATGGGGCTCCTGGGAGCTCAGGCGATGAGCCCCATCGTCC
 TCCTCCCAAGACGAGGAGTTGCTGATGCCTCCTGATGGCCTCACGGACACAGACTCCAGTCATGCGAGG
 ACAGCCTCATAGAGAATGAGATTCACCAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG208385 representing BC057136
 Red=Cloning site Green=Tags(s)

MINPKPCGHLCCCVRGCEQVEAIEYYTKLEQRLKEDYRREKEKVNEKPLGMAFVTFHNETITAILKDF
 NVCKCQGCTCRGEPRASSCEALHISNWTVTYAPDPQNIYWEHLSIRGFIWWLRCLVINVLFIILLFLT
 TPAIIITMDKFNVTKPVEYLNPIITQFFPTLLWCFALLPTIVYSAFFEAHWTRSGENRTTMHKCY
 TFLIFMVLLLPGLSSLDLFFRWLFDKKFLAEAAIRFECVFLPDNGAFFVNYVIASAFIGNAMDLLRIP
 GLLMYMIRLCLARSAAERRNVKRHQAYEFQFGAAYAWMMCVFTVMTYSITCPIIVPFGMLMYMLLKLVD
 RYNLYYAYLPAKLDKKIHSGAVNQVVAAPILCLFWLLFFSTMRTGFLAPTSMTFFVVLVITIVICLCHVC
 FGHFKYLSAHNYKIEHTETDAVSSRSNGRPPTAGAVPKSAKYIAQVLQDSEGDGDGDGAPGSSGDEPPSS
 SSQDEELLMPDGLTDTDFQSCEDSLIENIEHQ

TRTRPLE – GFP Tag – V

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

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

RefSeq Size: 1702 bp

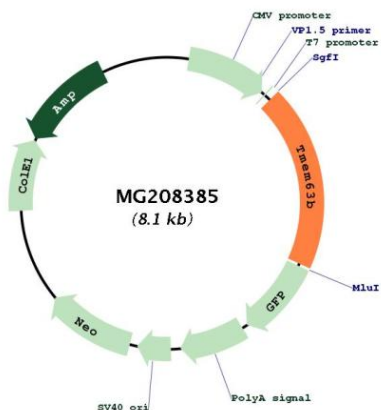
RefSeq ORF: 1571 bp

Locus ID: 224807

Cytogenetics: 17 B3

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

Product images:



Circular map for MG208385