

Product datasheet for **MC221964**

Tmem63b (NM_198167) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem63b (NM_198167) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmem63b
Synonyms:	BC026370
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC221964 representing NM_198167

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

 ATGCTGCCGTTCTTGCTGGCCACACTGGGCACCGCGGCCCTCAACAGCAGCAACCCGAAGGACTACTGCT
 ACAGTGCCCGGATCCGCAGCACTGTCTGCAGGGCCTGCCCTTCGGGGGCGTCCCCACCGTGCTGGCTCT
 GGACTTCATGTGCTTTCTTGCCCTGCTGTTCTTATTCTCTATTCTCCGGAAGGTGGCCTGGGACTACGGG
 CGGCTGGCCTTGGTGACAGATGCAGACAGGCTTCGCCGGCAGGAGAGGGAGCGAGTGGAACAGGAATATG
 TGGCATCAGCTATGCATGGGGACAGTCACGACCGGTATGAGCGTCTCACCTCCGTCTCCAGCTCTGTCTGA
 CTTTGACCAAAGGGACAATGGCTTCTGTTCTGGCTGACAGCCATCTTCAGGATAAAGGACGATGAGATC
 CGGGACAAGTGTGGGGCGACGCTGTGCACTACCTGTCTTCAAAGACACATCATTGGGTTGCTGGTTG
 TCGTGGGCGTCTCTCTGTAGGCATTGTCTGCCTGTCAACTTCTCAGGGGACCTGCTAGAGAACAATGC
 CTACAGCTTTGGGAGAACCACCTTGCCAACTGAAATCAGGGAATAACCTGCTCTGGCTACATACCTCC
 TTGCGCTTCTCTACCTGCTGCTCACCGTCTACAGCATGAGGAGACACACCTCTAAGATGCGCTACAAGG
 AAGATGATCTGGTCAAGCGGACTCTTTTCATCAATGGAATCTCCAATATGCAGAGTCGGAACCAATCAA
 GAAACATTTTCGAGGAGGCTACCCCACTGCACAGTTCTGGAAGCCCGGCCCTGTTACAACGTGGCTCGA
 CTTATGTTCTTGATGCTGAGAGGAAGAAGGCTGAGCGGGGAAAACCTCTACTTTACGAACCTGCAAGCA
 AGGAAAATGTACCCGCCATGATCAACCCCAAACCGTGTGGTCACCTCTGCTGCTGTGTGGTTTCGAGGCTG
 CGAGCAGGTGGAGGCCATTGAGTACTACACAAAGCTGGAGCAGAGGCTGAAGGAAGACTACAGCGGGAG
 AAGGAGAAAGTGAACGAGAAACCTCTGGCATGGCCTTTGTACCTTCCACAATGAGACCATCACAGCCA
 TCATCTAAAGGACTTCAACGTGTGCAATGCCAGGGCTGTACCTGCCGCGGGGAGCCGAGAGCCTCCTC
 CTGCAGCGAAGCACTGCATATCTCCAACCTGGACCGTGACCTACGCCCCTGACCCTCAGAACATCTATTGG
 GAACACCTCTCCATCCGAGGCTTCATCTGGTGGCTGCGCTGCCTGGTCATCAATGTGGTCTCTTATTTC
 TGCTCTTCTTCTCACCACCCCGGCCATCATCATCACCACCATGGACAAGTTCAACGTCACCAAGCCTGT
 GGAGTACCTCAACAACCCGATCATCACCAGTTCTTCCCTACGCTACTGCTGTGGTGCTTCTCGGCCCTG
 CTCCCCACCATTTGCTACTACTCCGCTTCTTGAAGCAGCTGGACGCGCTCCGGGAGAACAGGACGA
 CCATGCACAAGTGTACACCTTTCTCATCTTCATGGTGTGCTTCTGCCCTCGTGGGGCTGAGCAGCCT
 AGACCTCTTCTCCGCTGGCTCTTGTACAAGAAATTCCTGGCTGAAGCAGCTATTCGGTTTGAGTGTGTG
 TTCCTGCCGACAACGGCGCTTTCTTGTGAAGTACGTCATTGCCTCAGCCTTTATCGGTAACGCCATGG
 ACCTGCTGCGCATCCAGGCCTACTCATGTACATGATCCGGCTCTGCCTGGCGCGCTCCGCCGCTGAAAG
 ACGCAACGTGAAGCGGCATCAGGCCTACGAGTTCCAGTTTGGCGCAGCCTACGCTTGGATGATGTGCGTC
 TTCACGGTGGTCATGACCTACAGTATCACCTGCCCCATCATCGTGCCCTTCGGGCTCATGTACATGCTGC
 TGAAGCACCTGGTAGACAGGTACAATCTCTACTACGCCTACTTGCCGGCCAACTGGACAAGAAGATCCA
 CTCGGGGGCTGTGAACCAGGTGGTGGCTGCGCCCATCCTCTGCCTCTTCTGGTTGCTTCTTCTCCACC
 ATGCGCACGGGTTTCTAGCCCCACGTCTATGTTACCTTCGTTGTTCTGGTAATCACCATCGTCATCT
 GTCTCTGCCACGTCTGCTTTGGACACTTCAAATACCTCAGTGCCCACTACAAGATTGAACACACAGA
 GACAGATGCCGTGAGCTCCAGAAGTAATGGACGGCCCCCACTGCTGGCGCTGTCCCAATCTGCGAAA
 TACATCGCTCAGGTGCTGCAGGACTCAGAGGGGGACGGGACGGAGATGGGGCTCCTGGGAGCTCAGGCG
 ATGAGCCCCATCGTCTCTCTCCAAGACGAGGAGTTGCTGATGCCTCCTGATGGCTCACGGACACAGA
 CTTCCAGTCATGCGAGGACAGCCTCATAGAGAATGAGATTCACCAG**TA**A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_198167

Insert Size:

2499 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_198167.3, NP_937810.2</u>
RefSeq Size:	3237 bp
RefSeq ORF:	2499 bp
Locus ID:	224807
UniProt ID:	<u>Q3TWI9</u>
Cytogenetics:	17 B3
Gene Summary:	Acts as an osmosensitive calcium-permeable cation channel.[UniProtKB/Swiss-Prot Function]