

Product datasheet for **MC204219**

Tmem38a (NM_144534) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem38a (NM_144534) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmem38a
Synonyms:	1110001E17Rik; AI413399; mg33a; TRIC-A
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC024788
 CATGGACCTGATGTCAGCGCTGAGCCTGGGCGAGCTAGCGCTCAGCTTCTCGCGGGTGCCGCTCTTCCCT
 GTTTTCGACCTCAGCTACTTCATCGTCTCCATCATCTACCTGAAGTATGAGCCAGGAGCTGTGGAGCTGT
 CCCGGCGCCACCTGTGGCGTCTGGCTGTGTGCCATGTTGCACTGTTTTGGGAGTTACATCCTGGCCGA
 CCTGCTTCTTGGGGAGCCCATCATTGACTACTTCAGCAACAGCTCCAGTATCCTGCTGGCCTCTGGAGTG
 TGGTACTTGATTTTCTTCTGTCCTTGGACCTCTTCTACAAGTGTGTCTGCTTTCTGCCGTA AAAACTCA
 TCTTTGTGGCTATGAAGGAGGTGGTGAAGGTCCGAAAGATCGCTGTGGGCATCCATCAGCACACCACCA
 CTACCACCACGGGTGGTTCATCATGATCGCCACCAGGTGGGTCAAAGGGTCTGGTGTGCCCTCCTGTCC
 AACGTGGAACAGTTGCTTCGAGGTGTCTGGAAGCCAGAACTAATGAGATCCTGCACATGTCCTTCCCCA
 CCAAGGCCAGTCTGTATGGAGCCATCCTGTTACCTTGCAGCAGACTCGCTGGCTCCCAGTGTCCAAGGC
 CAGCCTCATTTTCGTCTTACCATGTTTATGGTGTGATGTAAGGTGTTCTGACAGCCACACACTCCCAC
 AGTTCTCCATTTGATATCCTGGAGGTTACATCTGCCAGTGTGTTGGGGCAACTTGGGGAGGCGACC
 ATCACCATGACAACCATGGAGCACCACATGGCATGGGACTAGGCACCCAGCACTCCGGCCTGCCTGCCAA
 GGCCAAGGAAGAGCTGGGCGAAGGATCCAGGAAGAAGAAGACCAAGAAAGCGATTAGGGGTTGGCCCA
 GGATCCACTGCGTGCTTGGTAGAAGGATGTGGACTCAAAGAACTCAGAACTTAGGGGCATTAGGGCT
 CAGACCCTCCCCTCCCCCGCCCTGCTCTACCACCCTCAACTCCCCATCTGCAGTTTGAGCCATCA
 GCAATTC AAGGCTGATGTGGGCTAAATTAGTGTGGAGGAATCAACAGATGTGAAAAACCTGCCTC
 TGCCAGACCCCTCAAAGGTCACAGCCTTTGGGGCACACAGTCTAGGCCCAAAGCCCTGGCTGGTAGGC
 TCTTGGTTTTCTGTGTTCTGTCTAATTATATCTTGTAACTAAAAGAATTTAAAGCCACATGGAGAC
 TCAATTATCTAGATCCTCTCGAGAGCCAGGTGCTGGGGTCCCATGTCCTCCGCACTCAGGACCTCCCTA
 GAATTTTGTGACTCCTGCTGGACATCTTAGGCAAATGGCCTTCTTCTCTGAGCCTTCTGTTTCTGTTC
 TGTAGCATGGAGACCCAGGTCTCCTGTGTACAAAAGGTCTTTATAATTTCAAGCAGTTGCTTAAGCA
 CGGTGCTAGTGAGAAGGAGACTGGAGCAGCATGAAGGACAGTGGCAGGCTGCTTGGTATGTAGGCCATTT
 GTTTTTGAGGCCAGAAGGTCTCACCAGATACTCAGCTGAGCATGAGCAGGCACATTTAGGGCAGACTGCT
 AACAGGAGGGGGCTTGAGTTCTAGGTGCCACAGGT AAGAGGTGTGGGTGCAGAGCAGAGGTC AAG
 AGCCAACAGCCTTGGTTCCTCACAATTGGGCTCTGGGTGTATCAGGTGTCCCTCATGCCTGATCAGCATA
 GTTCATTAGTCAATCAACAAACACACAGATCCACACATGCTCGCTATACAGTGTGATGCTCTCTCTT
 AGGAGCGAGCCTTATACAGGGGAAGGGCCATGGTCGCCAAAGTCTCCAGGGCACCTGAGAGAGGTGAGCA
 TGGGGTCTGCTGGTCTCAGGCTTATGTGAGGCTCAGATCTAGTTGAAGTACCCAGTGTAGCCATTTGT
 TGAGAAAATGCTACTATAACTTTGCCTGGAGGTAGGGTAGGCCCTGAGGCTGGAAGCTCCCGAGTTTCA
 TCCCTTGATGTCAGTCAAAGCTCAGTGTGAGTATCAGCCAATAAATCTGGTGCAGTAATCAAAAAA AAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_144534

Insert Size: 897 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: [BC024788](#), [AAH24788](#)

RefSeq Size: 2109 bp

RefSeq ORF: 897 bp

Locus ID: 74166

UniProt ID: [Q3TMP8](#)

Cytogenetics: 8 B3.3

Gene Summary: Monovalent cation channel required for maintenance of rapid intracellular calcium release. May act as a potassium counter-ion channel that functions in synchronization with calcium release from intracellular stores.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).