

Product datasheet for **SC122949**

TMEM38A (NM_024074) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMEM38A (NM_024074) Human Untagged Clone
Tag: Tag Free
Symbol: TMEM38A
Synonyms: TRIC-A; TRICA
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_024074 edited
 GGGCGCCATGGAGCTGCTCTCGGCGCTGAGCCTGGGCGAACTGGCGCTCAGCTTCTCGCG
 GGTGCCGCTCTTCCCGTCTTCGACCTCAGTTACTTCATCGTCTCCATCCTCTACCTCAA
 GTATGAGCCAGGAGCAGTCGAACTGTCCCGGCGCCACCCATCGCGTCTGGCTGTGCGC
 CATGCTGCATTGCTTCGGGAGCTACATCCTGGCTGATCTGCTCCTTGGGAGCCACTGAT
 CGATTACTTCAGCAAACTCCAGCATCCTGCTGGCCTCAGTGTCTGGTACTTGATTTT
 CTTCTGCCCTGGACCTCTTCTACAAGTGTGTCTGCTTCTGCCTGTGAAACTCATCTT
 CGTGGCCATGAAGGAGGTGGTGCAGTCCGCAAGATCGCGGTGGGCATCCATCACGCCCA
 TCACCACTACCACCAGGGTGGTTCGTCATGATTGCAACTGGGTGGTCAAAGGTTCTGG
 TGTGCGCCTCATGTCCAACCTTGGAGCAGTCTCCGAGGGGTCTGGAAGCCAGAGACCAA
 CGAGATCTGCACATGTCTTCCCAAGGCCAGCCTGTATGGAGCCATCCTTTCACCTT
 CCTCCAGCAGACCCGCTGGCTCCAGTGTCCAAAGCCAGCCTCATCTTCATCTTACCTT
 GTTCATGGTGTCTGTAAGGTGTTTCTGACAGCCACCCACTCACACAGCTCCCCCTTTGA
 TGCCCTGGAGGGCTACATCTGCCCGTGTGTTGGTTCGGCCTGCGGGGGTGACCATCA
 CCACGACAACCATGGTGGTCCCACAGCGGTGGTGGGCCAGGAGCTCAGCATTGGCCAT
 GCCCGCAAGTCCAAGGAGGAGTTGAGCGAGGGCTCCAGGAAGAAGAAGGCCAAGAAGGC
 GGATTAGGGGTGGCCCAAGGGGCACCGGGGAGAGGACCCGACCCAGGACCCCTTGAGC
 TGGGAGGCTTCTGCGCTCAGATCTATCCTTCTGCGCTTACTTCCCCATCTGCAAA
 CAGGGTCATTGGCTCACCTCCAGGGCTGACGTGGGGTTGAGATATGGGGATGAGGATG
 AAGAACTTTTGTAGAAATCGGGTTCCTCTTTCTCTGCCAGGACCCATAGAGTCAC
 AGCTTTTGGAGGGTTACAGAATCCTGCGAGCAGCTCCAGTCAAGAATGTCACTGGTTG
 GCATGATATTCTAGTTCTATTTTCTTCTTTAAATTCATCTTGACCAGGCACAGTG
 GCTCATGCCTATAATCCTAGCACTTTGGGAGGCCGAGGCGGCAGATCACCTGAGGTCAG
 GAGTTCAAGACCAGCTTGGCCAACATGGTGAACCCCATCTACCAAAAATACAAAAAT
 TAGCCAGACGTGGTGGTGCACGCCTTTAATCCCAGCTACTCGGGAGGCTGAGGCAGGAGA
 ATCACATGAATCCAGGAGGTGGAGGTTGCAGTGAGCTGAGATCTTCCCACTGCACCTCCAG
 CCTGGCCAATAAGACCTGTCTCCAGCAAGACCCTGTCTCAAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_024074 unedited NNNGGCGTTCANAATTTTGTNAATACGNACTTCACTATAGGGCGGCCGCGNAATTCGCAC GGGGGGCGCCATGGAGCTGCTCTCGGCGCTGAGCCTGGGCGAACTGGCGCTCAGCTTCTC GCGGGTGCCGCTCTTCCCGTCTTCGACCTCAGTTACTTCATAGTCTCCATCCTCTACCT CAAGTATGAGCCAGGAGCAGTCGAACTGTCCCGGCCACCCATCGCGTCTGGCTGTG CGCCATGCTGCATTGCTTCGGGAGCTACATCCTGGCTGATCTGCTCCTTGGGAGCCACT GATCGATTACTTCAGCAACAACCTCCAGCATCCTGCTGGCCTCAGCTGTCTGGTACTTGAT TTTCTTCTGCCCCCTGGACCTCTTCTACAAGTGTGTCTGCTTCTGCTGTGAAACTCAT CTTCTGTGCCATGAAGGAGGTGGTGCGAGTCCGCAAGATCGCGGTGGGCATCCATCACGC CCATCACCCTACCACCACGGGTGGTTCGTCATGATTGCAACTGGGTGGGTCAAAGGTTC TGGTGTGCGCCCTCATGTCCAACCTTGGAGCAGTCTCCGAGGGGTCTGGAAGCCAGAGAC CAACGAGATCCTGCACATGTCTTCCCAACCAAGGCCAGCCTGTATGGAGCCATCCTCTT CACCCTCCAGCAGACCCGCTGGCTCCAGTGTCCAAGCCAGCCTCATCTTCATCTTAC CTTGTTTATGGTGTCTGTAAGGTGTTTCTGACAGCCACCCACTCACACAGCTCCCCCTT TGATGCCCTGGAGGGCTACATCTGCCCCGTGCTGTTTGGTTCGGCCTGCGGGGGTGACCA TACCACGACAACCATGGTGGGTCCCACAGCGGTGGTGGGCCAGNAGCTCAGATTCCGGC CTGCCCCGNNCAGTTCAA
Restriction Sites:	Please inquire
ACCN:	NM_024074
Insert Size:	1559 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:	<ol style="list-style-type: none"> 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:	<u>NM_024074.1</u> , <u>NP_076979.1</u>
RefSeq Size:	1639 bp
RefSeq ORF:	900 bp
Locus ID:	79041
UniProt ID:	<u>Q9H6F2</u>
Cytogenetics:	19p13.11
Protein Families:	Transmembrane

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]