

Product datasheet for **SC326196**

TMC4 (NM_001145303) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMC4 (NM_001145303) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMC4
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001145303, the custom clone sequence may differ by one or more nucleotides

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ATGGAAGAAAACCCGACCTTGAATCAGAAGCCTGGGGCTCCTCTAGGGGTGGCTGGCC
CCCCGGGAGGCCAGAGGAGCCCCCTGCTCCTCCCAGGCCATCGCTGTCTTCTGTGCTG
AACGAGCTGCCAGTGTGCCACCCTTCGGTACCGAGACCCTGGGGTGTGCCTTGGGGG
GCGCTGGAGGAGGAGGAGGATGGAGGAAGGAGCAGAAAGGCCTTACAGAAAGTACC
CAGACAGAGCTGCAGGACCCTCACCTTCCCAGGAACTGCCCTGGCCCATGCAGGCCAGA
CGGGCACACAGGCAAGAAATGCCAGCAGGGACCAGGTGGTCTATGGCTCTGAACTAAG
ACGGACCATGGGCGCGCTACTTCGGAGTCCAAGGAGAAAACAAGGAAGGCTTGCGA
AGCCTGCAGCCCTGGGCGTGGACACTGAAGAGGATCGGGGGCAGTTTGGCGCCGGCAGG
GAGTCTACTTCTCCCTGCTGCGCTTCTGCTCCTTCTAACGTGCTGGCCTCTGTGCTC
ATGGCCTGCATGACGCTGTGCCACCTGGTGGGAGGCGCTCCCCAGGCCCTCCCGGC
CCCACATCTCTCGCCCTGCGGCTCTATAACCCCCACTCCAGGGCCTGGTACACCTT
GCCACCCAGCTCTCAACTTGTCTCGGGTGGGGTACCTGGAATGGTCCCTCTCTTC
TATGGCTTCTACCCGCCCGCCACGCCTGGCGGTACCTACCTGTGCTGGGCCTTTGCC
GTTGGCCTCATCTGCCTCCTGCTCATCCTGCATCGCTCGGTGTCTGGGCTGAAGCAGACA
CTGCTGGCGGAGTCCGAGGCTCTGACCAGCTACAGCCACCGGGTGTCTCGGCCTGGGAC
TTCCGTCTCTGCGGGGACGTCCACGTGCGGCTGCGCCAGCGCATCATCTTGTACGAATTA
AAGGTGGAGTGGAGGAGACAGTGGTGCAGGCGCCAGGCTGCGGTGCGGACGCTGGGCCAG
CAAGCCAGGGTTTGGTGGTGGCGGGTGTGCTCAACCTGCTGGTGGTGGCGCTCTGGGG
GCAGCCTTCTATGGCGTCTACTGGGCTACGGGGTGCACCGTGGAGCTGCAGGAGATGCC
CTTGTCCAGGAGTTGCCACTGCTGAAGCTTGGGGTGAATTACCTCCGTCCATCTTCATC
GCTGGGGTCAATTTTGTGCTGCCGCCGTGTTCAAGCTATTGCTCCACTGGAGGGCTAC
ACTCGGAGTCGCCAGATCGTTTTTATCCTGCTCAGGACCCTGTTTCTTCGCCTCGCCTCC
CTGGTGGTCTGCTCTTCTCTCTGGAATCAGATCACTTGTGGGGGCGACTCCGAGGCT
GAGGACTGCAAAACCTGTGGCTACAATTACAAACAACCTCCGTGCTGGGAGACTGTCTG
GGCCAGGAAATGTACAACTTCTGCTCTTTGATCTGCTGACTGTCTTGGCAGTCGCGCTG
CTCATCCAGTTTCTAGAAAGCTCCTCTGTGGCCTCTGCTCTGGGGCGCTGGGTCTG
GCGGGGACCCAGGAGTCCAGGTGCCGACGAGGTGCTGGGGCTCATCTACGCGCAGACG
GTGGTCTGGTGGGAGTTTTTCTGCCCTTACTGCCCTGCTTAACACGGTCAAGTTC
CTGCTGCTTTTCTACCTGAAGAAGCTTACCCTTCTTCCACCTGCTCCCCGGCTGCCCGC
ACCTTCCGGGCTCCGCGCGCAATTTCTTTTCCCTTGGTCTTCTCCTGGGTCTGGCC
ATCTCCAGCGTCCCCTGCTTACAGCATCTTCTGATCCCGCCTTCTAAGCTTTGTGGT
CCATTCGGGGGAGTCGTCATCTGGGCCAGATCCCTGAGTCTATTTCCAGCCTCCCT
GAGACCACCCAGAATTTCTCTTCTTCTGGGGACCCAGGCTTTTGTGTGCCCTTCTG
CTGATCTCCAGCATCCTGATGGCGTACACTGTGGCTCTGGCTAACTCCTACGGACGCCTC
ATCTCTGAGCTCAAACGTACAGACAGACGGAGGCGCAGAATAAAGTCTTCTGCGACGG
CGCGCTGTGGCGCTGACCTCCACCAAACCGGCTCTT

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Restriction Sites: Please inquire

ACCN: NM_001145303

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001145303.1, NP_001138775.1</u>
RefSeq Size:	2494 bp
RefSeq ORF:	2139 bp
Locus ID:	147798
UniProt ID:	<u>Q7Z404</u>
Cytogenetics:	19q13.42
Protein Families:	Transmembrane
Gene Summary:	Probable ion channel.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).