

Product datasheet for **SC319579**

TMC4 (NM_144686) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMC4 (NM_144686) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMC4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_144686.1
 TGTCTGCCTGGTGGCCACTAGAGACAGCCAGCCTGGGCCATGGAAGAAAACCCGACCTT
 GGAATCAGAAGCCTGGGGCTCCTCTAGGGGGTGGCTGGCCCCCGGGAGGCCAGAGGAGG
 CCCATCGCTGTCTTCTGTGCTGAACGAGCTGCCAGTGTGCCACCCTTCGGTACCGAGA
 CCCTGGGGTGTGCCTTGGGGGGCGCTGGAGGAGGAGGAGGAGGATGGAGGAAGGAGCAG
 AAAGGCCTTCACAGAAGTCACCCAGACAGAGCTGCAGGACCCTCACCTTCCCGGAACT
 GCCCTGGCCCATGCAGGCCAGACGGGCACACAGGCAAAGAAATGCCAGCAGGGACCAGGT
 GGCTATGGCTCTGGAATAAGACGGACCGATGGGCGCGGCTACTTCGGAGGTCCAAGGA
 GAAAACAAGGAAGGCTTGCGAAGCCTGCAGCCCTGGGCGTGGACACTGAAGAGGATCGG
 GGGCCAGTTTGGCGCCGGCACGGAGTCCTACTTCTCCTGCTGCGCTTCCTGCTCCTTCT
 TAACGTGCTGGCCTCTGTGCTCATGGCCTGCATGACGCTGCTGCCACCTGGTTGGGAGG
 CGCTCCCCAGGCCCTCCCGGCCCGACATCTCCTCGCCTGCGGCTCCTATAACCCCCA
 CTCCCAGGCCTGGTCACCTTTGCCACCAGCTTTCACTTGTCTCGGGTGAAGGTTA
 CCTGGAATGGTCCCTCTCTTCTATGGCTTCTACCCGCCCCGCCACGCCTGGCGGTAC
 CTACCTGTGCTGGCCTTTGCCGTTGGCCTCATCTGCCTCCTGCTCATCTGCATCGCTC
 GGTGTCTGGGCTGAAGCAGACACTGCTGGCGGAGTCCGAGGCTCTGACCAGCTACAGCCA
 CCGGGTGTCTCGGCCTGGGACTTCGGTCTCTGCGGGGACGTCCACGTGCGGCTGCGCCA
 GCGCATCATCTTGACGAATTAAGGTGGAGCTGGAGGAGACAGTGGTGGCGGCCAGGC
 TGCGGTGCGGACGCTGGGCCAGCAAGCCAGGGTTTGGTTGGTGGGGTGTGCTCAACCT
 GCTGGTGGTGGCGCTCCTGGGGGAGCCTTCTATGGCGTCTACTGGGCTACGGGGTGAC
 CGTGGAGCTGCAGGAGATGCCCCCTTGCCAGGAGTTGCCACTGCTGAAGCTTGGGGTAA
 TTACCTTCCGTCCATCTTCATCGCTGGGGTCAATTTTGTGCTGCCGCCGTGTTCAAGCT
 CATTGCTCACTGGAGGGCTACACTCGGAGTCGCCAGATCGTTTTATCTGCTCAGGAC
 CGTGTCTTCTCGCTCGCTCCCTGGTGGTCTGCTCTTCTCTCTGGAATCAGATCAC
 TTGTGGGGGCGACTCCGAGGCTGAGGACTGCAAAACCTGTGGCTACAATTACAAACAACT
 TCCGTGCTGGGAGACTGTCTGGGCCAGGAAATGTACAACTTCTGCTCTTTGATCTGCT
 GACTGTCTTGGCAGTCGCGCTGCTCATCCAGTTTCTAGAAAGCTCCTCTGTGGCCTCTG
 TCCTGGGGCGCTGGGTGCTTGGCGGGGACCCAGGAGTTCCAGGTGCCGACGAGGTGCT
 GGGGCTCATCTACGCGCAGACGGTGGTCTGGGTGGGAGTTTTTCTGCCCTTTACTGCC
 CCTGCTTAACACGGTCAAGTTTCTGCTGCTTTTCTACCTGAAGAAGCTTACCCTTTCTC
 CACCTGCTCCCCGGCTGCCGACCTTCCGGGCTCCGCGCGAATTTCTTTTCCCTT
 GGTCTTCTCCTGGGTCTGGCCATCTCCAGCGTTCCTCTTTACAGCATCTTCTGAT
 CCCGCCTTCTAAGCTTTGTGGTCCATTCCGGGGGACGTCTCATCTGGGCCAGATCCC
 TGAGTCTATTTCCAGCCTCCCTGAGACCACCCAGAATTTCTCTTCTTCTGGGGACCCA
 GGCTTTTGTGCTGCTCCCTTCTGCTGATCTCCAGCATCCTGATGGCGTACACTGTGGCTCT
 GGCTAACTCCTACGACGCCTCATCTCTGAGCTCAAACGTGACAGACAGACGGAGGCGCA
 GAATAAAGTCTTCTGGCACGGCGCGCTGTGGCGCTGACCTCCACCAACCGGCTCTTTG
 ACCCCCGCAGCCACGTCCCGCTTTCAGACCCAGGCCATTGTAAGCCTAGGTCACAAC
 ATCTGTAACCTAGGAGAACTGGAGAAGACTCCACGCCCTTCCAGCTTTGGTATCTGGAGA
 TTTCCAGGGCCCCCTCGCGCCACGTCCCTGACTCTCGGGTGATCTTCTTGTATCAATAA
 ATACAGCCGAGGTTGCTGAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_144686

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:	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_144686.1</u> , <u>NP_653287.1</u>
RefSeq Size:	2434 bp
RefSeq ORF:	2121 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 (2) lacks an alternate in-frame segment in the 5' coding region compared to variant 1. The resulting isoform (2) is shorter but has the same N- and C-termini compared to isoform 1.