

Product datasheet for **SC332801**

TMC5 (NM_001261841) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMC5 (NM_001261841) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMC5
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC332801 representing NM_001261841.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGTCTGCCTACTACAGGAATAACTGGTCTGAGGAAGACCCAGATTACCCTGACTATTACAGGGTCTCAG
 AACCGTACGCAGGGGTATTTGAAACTCAAGGTTATCCAGATGTTCCAGGTCCTCGAACAAATCCAGAC
 TACCCCGGCACCAGGAGCAATCCATACTCTGTAGCCTCCAGAACACGTCAGACTATCCTGGGTCTCTG
 GCAGAACCAATTATCCTAGATCTCTGAGTAATCCAGACTATTCTGGCACCAGAAGCAATGCATACTCT
 GCAGCCTCTAGAACAAGCCAGACCATCCTACCTCTCTACCAGAGCCAGATTATAGTGAATTTTCAGAGT
 CATCCCTACCACCGAGCATCATCCAGACAACAGACTACCCTGGATCTCAACGAAATCCTGATTTTGCA
 GGCTCCAGCAGCAGTGGAACTATGCAGGCTCCAGAACACATCCAGATCATTTTGCTCCTTAGAACCG
 GACTACCCTGGAGCTCAGAGCAACTCTGATCATCTGGACCCAGAGCCAAATTTGAACCATCCAGGATCC
 AGAAAGAATCTGGAACATACAAGTTTGAATCAATCCATACGCAGACTCTGGGAAAGCCTGATTAT
 CCAGGCGCTGACATTCAACCTAACTCTCCACCCTTTTTGGGGAGCCAGACTATCCAGTCTGAGGAC
 AATCAGAACTTGCCAAGCACTTGAGAGAACCTGATTATTCAGATGCTGAGAATGGTCATGATTATGGC
 TCTTCTGAGACCCCAAGATGACCAGGGGGGTGCTCAGCAGAACATCTTCAATCCAGCCCTCATTTTCTG
 CACAGGAGTGATGACCCCGTGGGAGTCTTTGGGGAGAGAATGATTACCTGAAGGCATTGAAATGGCA
 TCCATGGAGATGGCAAACTCATATGGCCACTCTCTGCCAGGTGCTCTGGAGTGCTATGTGAACCT
 GCTTATGTAGGTGAAAGTGGTCTGTCCATGCTTATGGAACCCACCATTGTCTGAATGTGATTGGCAC
 AAGTCACCCCAAGGACAGAAGTTAATCGCATCCCTTATACCCATGACATCCAGAGACAGAATTAAGCC
 ATCAGGAACCAGCAAGGACCATGGAAGAGAAAAGGAACCTTAGGAAAATAGTTGACAAAGAAAAAGC
 AAACAGACCCATCGTATCCTTCAGCTCAATTGCTGTATTAGTGTCTGAATCCATTTCCCGGCTTAT
 CGGAGATCCAAGAACAGCCTGTGCGAAATCTGAATTCATCAGCCTGTGGCAGAAGACGCTGAAGATC
 ATTGGAGCAAGTTTGAACAGCGTCTCTCTCTATTTCACTTTCTGAGATGGCTTTTGAAGTTCAAC
 ATTTTCTCATTCATCCTGAACCTTCAGCTTCATCATAATCCCTCAGTTTACCGTGGCCAAAAAGAACACC
 CTCCAGTTCACTGGGCTGGAGTTTTTCACTGGGGTGGTTATTTAGGGACACAGTGATGTACTATGGC
 TTTTACACCAATTCCACCATCCAGCAGGGAACAGCGGGCATCTACAACATGCAGCTGGCCTACATC
 TTCACAATCGGAGCATGCTTGACCACCTGCTTCTTCAGTTTGTGTTTTCAGCATGGCCAAGTATTTCCGG
 AACAACTTCATTAATCCCCACATTTACTCCGGAGGGATCACCAGCTGATCTTTTGTGGGACTTCACT
 GTCATCATGAAAAGCTGTGAAGCTAAAACAGAAGAATCTTAGCACTGAGATAAGGGAGAACCTGTCA
 GAGCTCCGTGAGGAGATTCCAAGTTGACGTTCAATCAGCTGCTGACCCGCTTCTCTGCCTACATGGTA
 GCCTGGGTGTCTCTACAGGAGTGGCCATAGCCTGCTGTGCAGCCGTTTATTACCTGGCTGAGTACAAC
 TTAGAGTTCTGAAGACACAGTAACCTGGGGCGGTGCTGTTACTGCCTTTCTGTTGTGCTCTGCATT
 AATCTGGCCGTGCCATGCATCTACTCCATGTTTCAAGCTTGTGGAGAGGTACGAGATGCCACGGCAGGAA
 GTCTACGTTCTCTGATCCGAAACATCTTTTGAAGATATCAATCATTGGCATTCTTTGTACTATTGG
 CTCAACACCGTGGCCCTGTCTGGTGAAGAGTGTGGGAAACCTCATTGGCCAGGACATCTACCGGCTC
 CTTCTGATGGATTTTGTGTTCTCTTAGTCAATTCCTTCTGGGGAGTTTCTGAGGAGAATCATTGGG
 ATGCAACTGATCACAAGTCTGGCCTTCAGGAGTTTACATTGCCAGGAACGTTCTAGAAGTATGCTAT
 GCACAACTCTGGTGTGATTGGCATCTTCTTCTGCCCCCTGCTGCCCTTATCCAAATGATTATGCTT
 TTCATCATGTTTCTACTCCAAAAATATCAGCCTGATGATGAATTTCCAGCCTCCGAGCAAAGCCTGGCGG
 GCCTCACAGATGATGACTTTCTTCATCTTCTTGCTCTTTTCCCATCTTACCAGGGGCTTGTGCACC
 CTGGCCATCACCATCTGGAGATTGAAGCCTTCACTGACTGTGGCCCTTTTTCAGGCTGCTCCTCTCTTC
 ATTCATCCATCTACAGCTGGATCGACACCCTAAGTACACGGCCTGGCTACCTGTGGGTTGTTTGGATC
 TATCGGAACCTCATTGGAAGTGTGCACTTCTTTTTCATCCTCACCTCATTGTGTAATCATCACCTAT
 CTTTACTGGCAGATCACAGAGGGAAGGAAGATTATGATAAGGCTGCTCCATGAGCAGATCATTATGAG
 GGCAAAGATAAAATGTTCTGATAGAAAATTGATCAAGCTGCAGGATATGGAGAAGAAAGCAAACCCC
 AGCTCACTTGTCTGAAAGGAGAGAGGTGGAGCAACAAGGCTTTTGCATTTGGGGGAACATGATGGC
 AGTCTTGACTTGCGATCTAGAAGATCAGTTCAAGAAGGTAAATCCAAGGGCTGA

Restriction Sites: SgfI-MluI
ACCN: NM_001261841
Insert Size: 3021 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:	<u>NM_001261841.1</u>
RefSeq Size:	4872 bp
RefSeq ORF:	3021 bp
Locus ID:	79838
UniProt ID:	<u>Q6UXY8</u>
Cytogenetics:	16p12.3
Protein Families:	Druggable Genome, Transmembrane
MW:	114.8 kDa
Gene Summary:	Probable ion channel.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (4) differs in the 5' UTR and uses an alternate promoter, compared to variant 1. Variants 1 and 4 encode the same isoform (A).