

Product datasheet for **SC318205**

TMC7 (NM_024847) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMC7 (NM_024847) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMC7
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF:	>NCBI ORF sequence for NM_024847, the custom clone sequence may differ by one or more nucleotides <pre> ATGAGCGAGTCCAGCGGCAGTGCCTCCAGCCCGCAGGCCAGCCGGCAGCAGGCGGTC CATCCAGAGAACCTCTCTCTAGACTCCAGTTGCTTCTCTCTCCACCTGTGAACCTCCTC CAAGAATTGCCAAGCTACCGGTCCATTGCACGTAGGAGAACGACTGTCCATTCCTGGGAC AAGCAAAGCGGAACCTTTGCTAAAGCCAACCGACTCTTACAGCTCCAGCTGGAGGACAGA ATCGCTGAAAACCTCAGCAGCCATTCTCTCGAAATTATGCACTGAACATCTCTGAGAAG CGGAGACTAAGGGACATTCAAGAGACACAAATGAAGTATCTCTCCGAATGGGACCAGTGG AAGCGGTATAGCAGCAAGTCTTGGAAGAGGTTCTAGAGAAGGCTCGAGAGATGACGACC CACCTGGAGCTGTGGCGGGAGGACATCCGACGATAGAAGGGAATTTGGCACTGGGATT CAGTCCTATTTCTCTTCTTGAGATTCTGGTGTGCTGAATTTGGTGATATTTCTGATC ATCTTTATGCTGGTTTTGCTCCAGTCTTACTCACGAAATACAAGATACCAACAGCAGC TTCGTGCTCATTCTTTCAAAGACATGGATAAACAATGTACAGTCTATCCAGTAAGCAGT TCTGGACTCATTTACTTTTACAGTTATATCATAGACTTGCTTTCTGGCACTGGTTTCCTG GAGGAACTAGCCTCTTTACGGACATTACACCATTGATGAGGTGAAATTCAGAACTTC ACCTATGATCTGCCCCTGGCGTATTTGTTAAGCACAATCGCCTCCCTGGCCCTGAGCCTT CTTTGGATAGTGAAGGTGCGTGGAAGGATTCAAATCAACCTGATTGGAGTGAGGAG CACTTTCAGAGTTACTGCAACAAGATATTTGCCGGCTGGGACTTCTGCATCACTAACCGC AGCATGGCGGATCTGAAGCACAGCAGCTTGCGGTACGAGCTCCGAGCAGATCTGGAGGAA GAAAGAATGCGGCAGAAAATAGCAGAAAGGACCTCAGAAGAAACAATACGCATTTACTCT TTGAGACTGTTTTGAAGTGTATTGTTCTGGCTGTTTTAGGGGCATGCTTTATGCAATA TACGTAGCAACTGTCTTTCGCAAGAGCACATGAAAAGGAAATCGACAAGATGGTTTTT GGAGAGAACCTCTTCATATTGTATCTACCGTCTATTGTGATCACGCTGGCCAATTTATC ACCCCAATGATCTTTGCCAAGATCATCCGCTATGAGGATTATTCTCCAGGCTTTGAGATC CGTCTGACAATCCTTAGGTGTGCTTTATGCGGCTGGCCACCATATGTGCTCTGGTGTTT ACGCTGGGCTCCAAGATCACATCCTGTGATGATGACACATGTGACCTTTGCGGCTACAAC CAGAACTCTACCCGTGCTGGGAGACCAAGTTGGGCAGGAAATGTACAAGCTGATGATC TTCGACTTCATCATCATCTTGGCTGTGACACTCTTCGTGGATTTCTAGAAAGCTCCTG GTGACCTACTGTTCTCTTGCAAGCTGATTCAGTGTGGGGCAGCAGGAGTTTGCCATT CCTGATAACGTCCTGGGATAGTTTACGGGCAAACCATCTGCTGGATCGGAGCCTTTTTC TCACCCCTTCTCCCTGCAATTGCAACCCTGAAATTCATTATCATCTTCTATGTGAAAGAG TGGAGTCTGCTTTACACCTGCAGACCCTCCCCAGGCCGTTACAGAGCATCCAATTCATAT TTCTTCTCTCTGTTGGTGTGTTGATCGGGCTGTGTTTGCAATAATACCTCTGACAATC AGCATATCACGCATCCCTTCCTCGAAAGCCTGTGGGCCGTTACCAACTTCAACACCACC TGGGAGGTGATCCCAAGACAGTGAGCACCTTCCCCAGCTCGTGCAGTCCTTCATCCAT GGTGTACATCCGAAGCCTTTGCAGTTCCTTTCTTCATGATTATTTGCCTCATCATGTTT TACTTCATTGCCTTAGCTGGAGCACACAAACGGGTGGTCATCCAGCTCCGAGAGCAGCTA TCCCTGGAAAGTCGTGACAAGTGCTACCTAATCCAGAACTAACAGAAGCCCAAGGGAC ATGAGGAAC </pre>
Restriction Sites:	Please inquire
ACCN:	NM_024847
Insert Size:	4401 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).

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:	NM_024847.2 , NP_079123.2
RefSeq Size:	4401 bp
RefSeq ORF:	4401 bp
Locus ID:	79905
UniProt ID:	Q7Z402
Cytogenetics:	16p12.3
Protein Families:	Transmembrane
Gene Summary:	Probable ion channel.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) includes an alternate penultimate exon, compared to variant 3, resulting in an alternate 3' coding region and longer 3' UTR. It encodes isoform a which has a distinct C-terminus, compared to isoform c. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.