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Product datasheet for SC327610

TMC7 (NM_001160364) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMC7 (NM_001160364) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMC7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>SC327610 representing NM_001160364.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGTATCTCTCCGAATGGGACCAGTGGAAGCGGTATAGCAGCAAGTCTTGGAAGAGGTTCCTAGAG
AAGGCTCGAGAGATGACGACCCACCTGGAGCTGTGGCGGGAGGACATCCGCAGCATAGAAGGGAAATTT
GGCACTGGGATTCAGTCCTATTTCTCCTTCTTGAGATTCCTGGTGTTGCTGAATTTGGTGATATTTCTG
ATCATCTTTATGCTGGTTTTGCTCCCAGTCTTACTCACGAAATACAAGATCACCAACAGCAGCTTCGTG
CTCATTCCTTTCAAAGACATGGATAAACAATGTACAGTCTATCCAGTAAGCAGTTCTGGACTCATTTAC
TTTTACAGTTATATCATAGACTTGCTTTCTGGCACTGGTTTCCTGGAGGAAACTAGCCTCTTTTACGGA
CATTACACCATTGATGGGGTGAAATTTCAGAACTTCACCTATGATCTGCCCCTGGCGTATTTGTTAAGC
ACAATCGCCTCCCTGGCCCTGAGCCTTCTTTGGATAGTGAAAAGGTCGGTGGAAGGATTCAAAATCAAC
CTGATTCGGAGTGAGGAGCACTTTCAGAGTTACTGCAACAAGATATTTGCCGGCTGGGACTTCTGCATC
ACTAACCGCAGCATGGCGGATCTGAAGCACAGCAGCTTGCGGTACGAGCTCCGAGCAGATCTGGAGGAA
GAAAGAATGCGGCAGAAAATAGCAGAAAGGACCTCAGAAGAAACAATACGCATTTACTCTTTGAGACTG
TTTTTGAACTGTATTGTTCTGGCTGTTTTAGGGGCATGCTTTTATGCAATATACGTAGCAACTGTCTTC
TCGCAAGAGCACATGAAAAAGGAAATCGACAAGATGGTTTTTGGAGAGAACCTCTTCATATTGTATCTA
CCGTCTATTGTGATCACGCTGGCCAATTTTATCACCCCAATGATCTTTGCCAAGATCATCCGCTATGAG
GATTATTCTCCAGGCTTTGAGATCCGTCTGACAATCCTTAGGTGTGTCTTTATGCGGCTGGCCACCATA
TGTGTCCTGGTGTTCACGCTGGGCTCCAAGATCACATCCTGTGATGATGACACATGTGACCTTTGCGGC
TACAACCAGAAACTCTACCCGTGCTGGGAGACCCAAGTTGGGCAGGAAATGTACAAGCTGATGATCTTC
GACTTCATCATCATCTTGGCTGTGACACTCTTCGTGGATTTTCCTAGAAAGCTCCTGGTGACCTACTGT
TCCTCTTGCAAGCTGATTCAGTGCTGGGGGCAGCAGGAGTTTGCCATTCCTGATAACGTCCTGGGGATA
GTTTACGGGCAAACCATCTGCTGGATCGGAGCCTTTTTCTCACCCCTTCTCCCTGCAATTGCAACCCTG
AAATTCATTATCATCTTCTATGTGAAAGAGTGGAGTCTGCTTTACACCTGCAGACCCTCCCCCAGGCCG
TTCAGAGCATCCAATTCTAATTTCTTCTTCCTGTTGGTGTTGTTGATCGGGCTGTGTTTGGCAATAATA
CCTCTGACAATCAGCATATCACGCATCCCTTCCTCGAAAGCCTGTGGGCCGTTCACCAACTTCAACACC
ACCTGGGAGGTCATCCCCAAGACGGTGAGCACCTTCCCCAGCTCGCTGCAGTCCTTCATCCATGGTGTC
ACATCCGAAGCCTTTGCAGTTCCTTTCTTCATGATTATTTGCCTCATCATGTTTTACTTCATTGCCTTA
GCTGGAGCACACAAACGGGTGGTCATCCAGCTCCGAGAGCAGCTATCCCTGGAAAGTCGTGACAAGTGC
TACCTAATCCAGAAACTAACAGAAGCCCAAAGGGACATGAGGAACTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_001160364

Insert Size: 1842 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_001160364.2
RefSeq Size:	4499 bp
RefSeq ORF:	1842 bp
Locus ID:	79905
UniProt ID:	Q7Z402
Cytogenetics:	16p12.3
Protein Families:	Transmembrane
MW:	71.1 kDa
Gene Summary:	Probable ion channel.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in both UTR's and the coding region but maintains the reading frame, compared to variant 3. This results in a protein that is shorter than 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.