

Product datasheet for **MC221119**

Tmc7 (NM_172476) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmc7 (NM_172476) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmc7
Synonyms:	1700030H01Rik; C230064B05; C630024K23Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221119 representing NM_172476
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGCGAGGGCAGCGCGGGCGACCCGGGCCACGGGTCCAGCCGCGCAGCGGGCCGTACACCCAGAGAACC
 TGTCTCTGGGTTCTAGCTGTTTCTCTCCACCTGTGAATTCCTTCAAGAGCTGCCAAGCTATCGGTCACT
 GGCACGTAGGAGAACAAACATCCTCTCTCGGGACAAGCAAAGTGGCACCCCTGCTGAAGCCGACAGACTCT
 TTCAGTTGCCAGCTGGATGGAGGAATCACAGAAAACCTCAACAGCCAATCCATCCGCAAGTATGCACTGA
 ACATCTCTGAGAAGCGGAGACTAAGGGACATTCAGGAAACCCAAATGAAGATTTTATCAGAGTGGGACCA
 GTGGAAACGGTACAGCAGCAAGTCTGGAAGAGGTTCTAGAGAAAGCTCGAGAGATGACAAACCCACCTG
 GAACTGTGGCGCAAAGACATCCGCAGCATTGAAGGAAAGTTTGGCACGGGGATCCAGTCTACTTCTCAT
 TCCTGCGGTTCTGGTGGTGTGAACCTGGTGATATTCCTGATCATCTTCATGTTGGTTTTGCTTCCAAT
 CCTACTACCAAGTACAAGATTACCAACAGCACTTTTGTGCTCATCCCGTTCAAAGACATGGATATTCAG
 TGCACACTGTATCCAATAAGTAGCTCTGGGCTCATTTACTTCTACAGTTACATCATAGACCTGCTGTCTG
 GAACAGGATTCCTGGAGGAGACCAGCCTTTTTTATGGGCACTACACCATTTGATGGTGTAAAGTCCAGAG
 CTTACGTATGACCTGCCCTGGCTTACTTGATAAGCACGATTGCCTACCTGGCCCTGAGCCTCCTTTGG
 ATCGTGAAAAGGTCGGTGAAGGGTTCAAGATCAACCTGATTCGGAGCGAGGAACACTTTTCAAGTTACT
 GTAATAAGATCTTCGCTGGCTGGGACTTCTGCATCACCAACCGCAGCATGGCTGAGCTGAAGCACAGCAG
 CTTGCGGTACGAGCTCCGAGCAGATCTGGAAGAAGAGAGAATACGACAGAAAATAGCAGAAAAGGACCTCA
 GAGGAGACCATCCGATTTACACTTTGAGGCTGTTTTTGAACGATTGTGCTTGCTGTGCTAGCGGCAT
 GCTTTTATGCAATCTACCTAGCAACTGCCTTCTCACAGGAACACATGAAAAAAGAAATGACAAGATGGT
 TTTTGGGAGAACTGTTGATATTGTACCTCCCGTCCATTGTGATTACCCTGGCCAATTTCAATTACCCCA
 ATCATCTTTGCCAAGATCATCCACTACGAGGATTACTCGCCAGGCTTTGAGATCCGCCTGACGATTCCTA
 GGTGTGCTTTATGCGGCTGGCCACCATCTGTGTGCTGGTGTTCACGCTGGGCTCCAAGATCACATCCTG
 TGGTGACAGCACGTGGAACCTGCGGCTATAACCAGAACTCTACCCGTGCTGGGAGACTCAGGTGGGA
 CAGGAAATGTACAAGCTGATGATCTTCGACTTCATCATCATCCTGGCCGTGACGCTGTTTGTGGATTTCC
 CTAGGAAGCTCCTGGTACCTACTGTGCCTCCTCAAAGCTGATCCAGTGTGGGCCAGCAGGAATTCGC
 CATCCCGACAATGTCTGGCATCGTGTACGGGCAGACCATCTGTTGGATTGGAGCCTTCTTCTCCCA
 CTCTCCCTGCCATTGCCACCTGAAATCGTTATCATCTTTATGTGAAAGAGTTGAGTCTTCTCTACA
 CCTGCAGACCCTCCCGAGGCAGTTGAGAGCATCCAATTCCTACTTCTTCTCTGCTGGTGTGCTGAT
 TGGGCTGTGCCTAGCAATCATACCTCTGACCATCAGCATGGCTCGCATCCCTTCTCAAAGCCTGCGGC
 CCATTTACCAACTTCAACACCACCTGGGAAGTGATTCTCAGACTGTGAGCACCTTCCCCAGCTCGCTGC
 AGACCCTGATCCATGCCGTTACATCAGAAGCCTTCGCGGTGCCTTTCTTCATGATCATCTGCCTTGTGAT
 GTTCTACTTCATTGCACTGGCTGGAGCACACAAGCAGGTGGTGTACAGCTTCGAGAGCAGCTGTCCCTG
 GAGAGTCGTGACAAGCGTTATCTTATCCAGAACTAACAGAAGCTCAAAGGGAGGTCCGGAGCCAGCCGG
 CTT**CAGCATGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_172476

Insert Size: 2181 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:	<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_172476.4</u> , <u>NP_766064.2</u>
RefSeq Size:	4493 bp
RefSeq ORF:	2181 bp
Locus ID:	209760
UniProt ID:	<u>Q8C428</u>
Cytogenetics:	7 F1-F2
Gene Summary:	Probable ion channel.[UniProtKB/Swiss-Prot Function]