

Product datasheet for **MC222879**

Tmc5 (NM_001105252) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmc5 (NM_001105252) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmc5
Synonyms:	4932443L08Rik; AU016085
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222879 representing NM_001105252
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCCTCCTCCACCAGAATAGCAGCTACATGGAGGATGCTGACTACCCTGGTTACTCAGGGTCTCGGA
 ACCCACACACAACACTATTTGGAACTCAAGATTATCCGGAATCCCAGGCTCTCAGAACAATCCAGGCTT
 CCACCACCCAGAACCAACCCGATTCTTCGGGCTCTAGAACAAACCCAGACTACCCCTACTTCCAAGAA
 GAACCAGATTATCCTGGATCTCTGAGTAACACGGTCTATCAGGACACCAGGAGTACCCGTTCTCTGCAC
 ATTCCAGAACAAGGCCAGACTATGAGTCTTCAATTGAGCCAGACTATAATGACTTCAGGAGTGAATCTTA
 CCACGCAGGTTTACCCATGGAGCCTGACTACCCTGGCTCTCAGAGCCATCCTGGTTTTGCAGGCGTCGGA
 AGAAGCAGTATGAACTATACAGGCCCTAGAACCAATCTAGGCTATTTGGGATCTCTGGAAGAACCAGACT
 ACCCTGGAGCTCAGGATAACTCTTATTATCATTCTGGCTCCAGACCCATTCCAACCTGCCAGGCTCCAG
 AAGAGATGCAAGTTATGCTGGGTCCAGAATCAATTCCTACCCAGATGATTTGGGGAAACCTGATTACCCA
 GGTGCTGAGAATCAACAAACTCTCCCGTTTTACGGAAGCCAGACTATCCTGGTCTGGAAGAGGGTG
 ATGGCTATAGCTCTTCAAGTCCCTGGCAGTCATCAGGAGAGGGAATGGCCCTTTGGCATGCTCGGCAG
 GAGGAATGAAGATTACCTGAAGCATTGGAATGGTATCCATGGAGATGGCAGGTGATCCTAGAAATGGC
 TATGTGAATCCTGCTTACACAAGAAGAATTAGTCTGTCTGTCCAGATAGAAACCTATTGCTGTGCGCAC
 ATGATTGGCACACATCAGTCCAAGGACAGAACTAATTGCATCCCTGATTCCCATGACAACCTAGAGACAG
 AATCAAAACCATCAGGAACCAGCCAAGGACCATGCAAGAGAAGAGAGAGCTTAGAAAAATAGTTGACAAA
 GAAAAAACAACAGTCACATGGCATCCTCGAGGCCAAGTCTGTGCTCAGTGTCTGGGCTCCCTTTAC
 TGACTTACCGCAGGACCAGGAACGGCCTTTCAGAGCTCCTCAATTACATCACCTTGTGCCAGAAGAGATT
 CAAGGTCATCGGAGGCAAGTTTGGAAACCGCTCCTGTCTATTTACAGTTCCTGAGGTGGCTTTTGAAG
 TTCAACATCTTCTCATTGCTCATGAACTTCAGTTCATCATATCCACAAATTCACCGTGGGTGCAAGA
 ACACCCTCAGTTCACTGGCTTGGAGTTTTTACAGGGCGGGTATTTTGGGACACGGTGTGACTA
 TGGGTTTACACCAATTTACAATCCGACATAGGATGGGTGGAGCATCCTACAACATGCAGCTGGCTAC
 ATCTTACGATCGGAGCCTGCCTGGTCTGTTTCTTCACTACTCTTCACTATGGCCAAAGTACTTCC
 GGAACAACCTCATCAACCCACATATACTCCAGAGGGATTGCTAAGCTCATCTTTGCTGGGACTTCAC
 TGTACCCATGAAAAAGCTGTAAGCTAAAACAGAAGAATCTGAGCACGGAGATCAGGGAGAACCTGTCT
 GAGCTCCGCCAGGAGAACTACAGGCTCACATTCAACCAGCAGCTGACCCGATTTTCTGCTCAGTAGCCG
 CTTGGCTCGTCTACTGGAGTGACCGCAGCCTGCTGTGTAGCTGTCTACTACTTGGCTGAGTAAACTC
 TGAGTTCTGAAGACTCACAGGAACCTGGGGCGGTGTTGTTGCTGCCCTTTGTTGTCTCTGCATCAAC
 CTGGCCGTGCCTCGCTTACTCCATGTTCCGCTGGTGGAGAGGTATGAGATACCAAGACAGGAAGTCT
 ACGTCTCTTGGTCCGAAACATCTTTTGAAGATCTCCATTGTTGGAAATCTTTGTTACTATTGGCTCAA
 CATCGTGGCCCTGTCTGGCGAAGAGTGTGGGAGACCCTATTGGCCAGGACATCTACCGGCTCCTTCTC
 ATGGACTTCGTGTTCTCCTTGGCCGATTCTTACTGGGGAGTTTCTGAGGAGGCTATTGGGATGAAGT
 TCACCAGTCTCAGCCTACAGGAGTTTGACATTGCCAGGAATGTTCTAGAAGTACTACGCACAAACTCT
 GACCTGGCTTGGAAATTTCTTCTGCCCTTGTGCCTTTTATCCAAATGATCACTCTCTTCAATTATGTTT
 TATGTCAAAAACGTGAGCCTGATGATGAACTTCCAGCCCCAAGCAAGGCTGGCGGCCCTCACAGATGA
 TAACTTTCTTCTTTCTTCTTCTTCCATCCTTACGGGAGTGTGTGCACCCTGGCTATCCCAT
 CTGGAGACTGAAACCTTCGGCTGACTGTGGCCGTTCCGAGGTCTGCCTTCTTCAATCCATCTAC
 AGCTGGATTGACACTCTGAGCCGACGGCTGGCTACCTGTGGGTCGTCTGGATCTACCAGAATCTCATTG
 GAAGTGTGCACTTCTTCTATCCTCACCTCATTGTGCTAATCATCACCTATCTTTACTGGCAGATCAC
 AGAGGGGAGGAAGGTGATTCGATTGCTCCATGAACAGATCATTAAATGAGGGCAAAGATAAGATGTTT
 CTGATAGAGAAATGACCAAACTACAGGATATGGAGAAGAGATCAACCCAGTGCCTTACCTGGAAA
 GGAGAGAGGTGGAGCCACAAATTCCTTTGCATTTGGAGGAACTTGGTGTCTCTGACCTGCGATTGAG
 GCGGTACGACAAAGAGGAGAATCCCATAGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001105252
Insert Size:	2904 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_001105252.1</u> , <u>NP_001098722.1</u>
RefSeq Size:	3774 bp
RefSeq ORF:	2904 bp
Locus ID:	74424
UniProt ID:	<u>Q32NZ6</u>
Cytogenetics:	7 F2
Gene Summary:	Probable ion channel.[UniProtKB/Swiss-Prot Function]