

## Product datasheet for **MC221388**

### **Tmc5 (NM\_028930) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tmc5 (NM_028930) 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:** >MC221388 representing NM\_028930  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCAGTCAGACGACCAAGTGGATGAAATCATCATAGAAGTGGAGAATGTTCCCTCTGGGGTTCAGAATC  
 ACCTAGTCTCAAGTCAAATTGCTCTGAGAAAGTCATCAGCAAACCCCGCCTTCTGCGTGCCTCCTCATC  
 AGCTGCAGACAGGGTAGACTGTCAAGTTTTCAACCCTGGGAATGACAGAAGGCACAAACCGCTGTTGAGG  
 TTTTCATCTCTGAATGAATCAATTTCTCAGATCTATCATGGCTCAGAGTGCCTGGTACGGATGAATCCT  
 GCACCTTTTCATGAACTGTTCAAGGACAGAACTAATTGCATCCCTGATCCCATGACAACCTAGAGACAG  
 AATCAAACCATCAGGAACCAGCAAGGACCATGCAAGAGAAGAGAGAGCTTAGAAAAATAGTTGACAAA  
 GAAAAAACAACAGTCACATGGCATCCTCGAGGCCAAGTGTGTCTCAGTGTCTGGGCTCCCTTTAC  
 TGACTTACCGCAGGACCAGGAACGGCCTTTCAGAGCTCCTCAATTACATCACCTTGTGGCAGAAGAGATT  
 CAAGGTATCGGAGGCAAGTTTGAACAGCGTCTGTCTATTTAGCTTCTGAGGTGGCTTTTGAAG  
 TTCAACATCTTCTCATTGTCATGAACCTCAGCTTCATCATCATCCACAATTCACCGTGGGTGCAAAGA  
 ACACCCCTCCAGTTCAGTGGCTTGGAGTTTTTACAGGGCGGGTATTTTGGGGACACGGTGTACTA  
 TGGGTTTACACCAATTCTACAATCCGACATAGGATGGGTGGAGCATCCTACAACATGCAGCTGGCCTAC  
 ATCTTACGATCGGAGCCTGCCTGGTCTGTTTCTTCACTACTCTTCACTGATGGCCAACTACTTCC  
 GGAACAACCTCATCAACCCACATATACTCCAGAGGGATTGCTAAGCTCATCTTTTGGTGGACTTCACT  
 TGTCACCCATGAAAAAGCTGTAAGCTAAAACAGAAGAATCTGAGCACGGAGATCAGGGAGAACCTGTCT  
 GAGCTCCGCCAGGAGAACTACAGGCTCACATTCACCAGCAGCTGACCCGATTTTCTGCTCAGTAGCCG  
 CTTGGCTCGTCTACTGGAGTGACCGCAGCCTGCTGTGTAGCTGTCTACTACTGGCTGAGTATAACT  
 TGAGTTCTGAAGACTCACAGGAACCCTGGGGCGGTGTTGTTGCTGCCCTTTGTTGTCTCTGCATCAAC  
 CTGGCCGTGCCTCGCTTCTACTCCATGTTCCGCCTGGTGGAGAGGTATGAGATACCAAGACAGGAAGTCT  
 ACGTCTCTTGGTCCGAAACATCTTTTTGAAGATCTCCATTGTTGGAATCTTTGTTACTATTGGCTCAA  
 CATCGTGGCCCTGTCTGGCGAAGAGTGTGGGAGACCCTATTGGCCAGGACATCTACCGCTCCTTCTC  
 ATGGACTCGTGTCTCCTTGGCCGATTCTTACTGGGGAGTTTCTGAGGAGGCTATTGGGATGAAGT  
 TCACCAGTCTCAGCCTACAGGAGTTTGACATTGCCAGGAATGTTCTAGAAGTATCTACGCACAACTCT  
 GACCTGGCTTGAATTTCTTCTGCCCTTGTGCTTTTATCCAAATGATCACTCTTTCATTATGTTCT  
 TATGTCAAACGTCAGCCTGATGATGAACTTCCAGCCCCAAGCAAGGCTGGCGGGCCTCACAGATGA  
 TAACTTTCTTCAATTTCTTCTTCCATCCTTACGGGAGTGTGTGCACCTGGCTATCCCAT  
 CTGGAGACTGAAACCTTCGGCTGACTGTGGCCCGTTCGAGGTCTGCCTTCTTCAATCCATCTAC  
 AGCTGGATTGACACTCTGAGCCGAGGCCTGGCTACCTGTGGTCTGCTGGATCTACCAGAATCTCATTG  
 GAAGTGTGCATCTTCTTCACTCCTCACCTCATTGTGCTAATCATCACCTATCTTTACTGGCAGATCAC  
 AGAGGGGAGGAAGGTGATGATTCGATTGCTCCATGAACAGATCATTAAATGAGGGCAAAGATAAGATGTT  
 CTGATAGAGAAATTGACCAAACACAGGATATGGAGAAGAGATCAACCCAGTGCCTTGGCTGGAAA  
 GGAGAGAGGTGGAGCCACAAATTCCTTTGCATTTGGAGGAATGGTGTCTCTGACCTGCGATTGAG  
 GCGGTGAGCACAAGAGGAGAATCCCATAGCC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_028930  
**Insert Size:** 2274 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_028930.3</a> , <a href="#">NP_083206.1</a>
<b>RefSeq Size:</b>	2925 bp
<b>RefSeq ORF:</b>	2274 bp
<b>Locus ID:</b>	74424
<b>UniProt ID:</b>	<a href="#">Q32NZ6</a>
<b>Cytogenetics:</b>	7 F2
<b>Gene Summary:</b>	Probable ion channel.[UniProtKB/Swiss-Prot Function]