

Product datasheet for **MC221362**

Tmc1 (NM_028953) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Tmc1 (NM_028953) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Tmc1 |
| Synonyms: | 4933416G09Rik; Beethoven; Bth; CWEA1; dn |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >MC221362 representing NM_028953
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTGCAAAATCCAAGTGGAGGAGAAAGAAGAGGATACAGAGGAAAGCTCAAGTGAAGAAGAAGAAGATA
 AGCTACCCAGAAGAGAGAGCTTGAGACCAAGAGGAAACGGACCAGAGATGTCATCAATGAGGATGACCC
 AGAACCGGAGCCGGAGGATGAAGAAACAAGAAAGCAAGAGAAAAAGAAAGGCGGAGGAGGCTGCGGAGA
 GGAGCGGAAGAAGAAGAAGAAATTTGATGAAGAGGAATTAGAACGGTTAAAAGCACTGCTCGATGAGAATA
 GACAAATGATCGCTACTGTCAAATGTAAACCTTGGAAAAATGGAGAAGAAAATTAAGTTCTCAAGGAAGC
 AAAGAAATTTGTGAGTGAGAATGAAGGCGCTCTTGGGAAAGGAAAGGAAAGAAGTGGTTTGCATTTAAG
 ATGATGATGGCCAAGAAATGGGCAAAATTCCTCCGAGATTTTGAAGAACTCAAAGCGGCTGCGTCCCAT
 GGGAAAAACAAAATCAAGGCAATTGAAAGTCAGTTTGGTTCCTCAGTGGCCTCGTACTTCTGTTCTCAG
 GTGGATGTACGGGTCAACATGGTTCTCTTTGTGTTGACCTTCAGCCTCATCATGTTACCGGAGTACCTC
 TGGGGTTTACCGTACGGCAGCTTACCTAGGAAAACAGTCCCAAGAGCTGAAGAAGCATCTGCAGCCAAT
 TTGGTGTGTTGTATGACTTCAATGGCCTGGCGCAGTACTCTGTCCCTTTTATGGCTATTACGACAATAA
 ACGCACGATCGGATGGCTGAATTTCCGGCTACCTTTTCTACTTCTCTGGTGGGATTATGTGCATTGGA
 TACAGTTCCTGGTTGTCTCAAAGCGATGACCAAAAATATTGGTGACGATGGTGGTGGCGATGACAACA
 CTTTCACTTCAGCTGGAAGGTGTTCTGTAGCTGGGACTATCTGATTGGTAACCTGAAACAGCCGACAA
 CAAGTTTAACTCTATCACGATGAACTTTAAGGAAGCCATCATAGAAGAGAGAGCCGCACAGGTGGAGGAG
 AACATCCACCTCATCAGATTTCTGAGGTTTCTCGCTAACTTCTTCGTGTTCCCTCACACTTGGTCAAAGT
 GATACCTCATCTTTGGGCTGTGAAGCGATCCCAGGAGTTCGCCAGCAAGATCCTGACACCTTGGGTG
 GTGGGAAAAAAATGAAATGAACATGGTAATGTCCCTCCTGGGGATGTTCTGTCCACCCTGTTTACTTA
 TTTGCTGAACTGGAAGATTACCATCCTCTCATTGCTCTGAAGTGCTCCTGGGGCATTTTTTGCTCTTC
 TTCTAGGCAACTTGATGTATTCTCGCTTGTGATGGATGAGATTAACAACAAGATTGAAGAGGAGAA
 GCTTGTGAAGCCAATATTACCCTGTGGGAAGCCAACATGATTAAGGCTTACAATGAATCTCTCTGCGG
 CTCTCTGGGAACACCACAGGAGCACCTTTTTCTGTTTATCCTGCAGATGTCCCTCGCGGTCCCTGCTGGG
 AAACAATGGTGGGCAGGAATTCGTGCGTCTCACCGTTTCTGACGTCCTGACCACTTACGTCACGATCCT
 CATTGGCGACTTCTCAGAGCATGTTTCGTGAGGTTCTGCAATTACTGCTGGTGTGGGACTTAGAATAT
 GGATATCCTTCATACACAGAATTCGACATCAGTGGCAACGTCCTCGCTCTGATCTTCAACCAAGGCATGA
 TCTGGATGGGCTCCTTCTCGCTCCTAGCCTCCGGGCATCAACATCCTCCGTCTCCACACATCCATGTA
 TTTCCAGTGTGGGCTGTGATGTGCTGCAATGTTCCCGAGGCCAGGGTGTCAAAGCTTCCAGATCCAAC
 AACTTCTACCTCGGCATGCTGCTACTCATCCTTCTCTGTCCACCATGCCGGTCCGTGACATGATCGTCT
 CCCTCCGCCATCTTTGATTGTGGGCCCTTCAAGTGGTAAAAACAGGATGTTTGAAGTCAATCGGTGAGAC
 CCTGGAACATGACTTCCAAGCTGGATGGCGAAGATCCTGAGGCAGCTTCTAACCCCGGCTTGTCTATT
 GCTGTCTATTCTGGTGTGGTCTGACCATCTATTATCTCAATGCTACTGCCAAGGGCCAGAAAGCAGCGA
 ATCTGGACCTCAAAAAGAAGATGAAACAGCAAGCTTTGGAGAACAAAATGCGAAACAAGAAAATGGCAGC
 GGCTCGAGCAGCTGCAGCTGCTGGTGGCCAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_028953
Insert Size: 2274 bp

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| 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: | NM_028953.2 , NP_083229.1 |
| RefSeq Size: | 4073 bp |
| RefSeq ORF: | 2274 bp |
| Locus ID: | 13409 |
| UniProt ID: | Q8R4P5 |
| Cytogenetics: | 19 13.98 cM |
| Gene Summary: | Probable ion channel required for the normal function of cochlear hair cells. [UniProtKB/Swiss-Prot Function] |