

Product datasheet for **MC220550**

Tmc4 (NM_181820) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmc4 (NM_181820) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmc4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220550 representing NM_181820
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTAAGCCTGGGGCCAGTCCCCAGCCTGCTCCAGCTCCCGAAAGCCAGAACAGGCCCATCGTGGCGT
CTGTGCTGAACGATCTCCCCAGCGCTGCTACGCTGCGATACCGCGGCCCTGGTGTGCTCCCTTGGGAAC
ACTGGATGAAGATGATGATGAAGGAGGAAGGAGCCTTCAGGCCTTTCAGAAAACGACAAATGGAATCT
CACCCTTCCCGGAACCTCCCTGGCCTATGCAGGCAAGGCGGGCACACAGGAAGAGCCAGGCTACAGGC
AGCTGGCTTCTGGCTCTGAATCCAGGGCTGCCTACTGGACCCGACAGCTTTCGCGACCAAGGGAATAA
GAAAGAAGGCTTCAAACATACAGCCCTGGGCATGGACGCTGAAGAAAATTGGGGGTCAGTTTGGAGCA
GGCACTGAGTCTACTTCTCCCTGCTGCGCTTCTGCTTTTCTCAACCTGGTGGCATCTGTCAATTGAAA
TCTGCATGAAGCTGATCCCCACCTGGCTGGAAGGGGCTCCTCCAGGTCCCCCTGGCCCTAACATCTCTTC
ACCTGTGGTTCTATATTCCACACACTCATGGCTGGTCGCTTCCCCACCCAGCTTTTCAACTTGCTC
TCTGGAGAGGGTTACCTTGAGTGGTCCCTCTATTCTATGGGTTCTACCCACCCGATCGAACCTGGCCA
TCAGCTACCTTGCTCCGCTTGTGGCCATCAGCATCATCTACTGCTGTGCATCTACGACGTTCCGGTGC
CGGGTTGAGGAGACACTGTTGGCGAGTCAGACATCTTGACGACGACATGAGTACCAGGAGTTTCTCAGCT
TGAATTTTGGCCTCTGCGGGGAGCTGCACGTGCGGCTGCGCCAGCGCATCATTTTGTATGAACTACAGG
TGGACCTAGAGGAAGCAGTAGTCCGGCGCGTCTGCGGAGCAGACTCTGAGCCAACGAGCCAAGGTGTG
GTCGATGAGGGCGCTGCTCAACGTGCTGGTCTCGCGCTGCTCGGGGCGGCCTTCTATGGCATCTACTGG
GCCACCGAGTACACCTTGACACTACAGGAGACGCCCCCTGTCCGACAGACCCCACTATTCAAGCTTCTGG
TGGATTATCTACCATCCATCTTCATTTCTCTGTTCAACTTTGTGCTGCCTCCTGTGTTCAAGTTCATTGC
CTCACTAGAGGGCTACACTCAAAGCCGACAGATCGTCTTGATCCTGCTTAGGACTGTGTTTTTGCCTCG
GCCTCGCTGGTGTCTCTCTGGTCTCTCTGTGGAGTCAGATCACGTGTGGGGGAAACATGGAGGCAGAAG
GATGCAAGGCCCTGCGGCTATAATTACAAAGAAATTCCGCTGCTGGGAGACTCGGCTGGGCCAGGAGATGTA
CAAACCTGTACTCTTGATCTGCTGATGGGCCTGTTGGTCACGCTGTTGGTCCAGTTTCTAGGAAGATA
CTCTGTGGCCTCTGTCTGGGGCACTGGGTCTGCTGCGGAACCTGGAGTTCAGGTGCCAGATGAGG
TGCTGGGGCTCATCTATGCGCAGACCGTGGTCTGGGTGGGAAGCTTCTTCTGCCCTTTACTGCCTTTGAT
CAACACTGCTAAGTTCCTCACTGTTCTGCCTGAAGAAGATAACCCTCTTCTCCATCTACTACCCGGCT
TCCCGCACCTTCCGAGCATCCACGGCAAACCTCTTTTTCCCCCTGGTTCCTCTGTGGGTCTGGCGATCT
CTGACATTCCCGTCTTACAGATATCTTGCTGATCCCACTTCGAACTGTGTGGCCGTTCCCGCGGAA
CGTGTCCATTTGGGCCAGATCCCTGAGCCATTGAGAGCTCCCTCAGACTGCCAGAATTTTCTCTAC
TTTCTGGGAACCCAAAGCTTTTACTGTACCTCTTCTGATCTCTCTAGCATCCTGATGATGATATACCGTAG
CCCTGGCTAACTGTTACGGACGCCTCATCTCTGAGCTCAAACGCCAGATAGAGACGGAAGTGCAGAATAA
AGTCTTCTGGCCCAGCGAGCTGTGGCTCTGAGCTCAAGGAATGGAACCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_181820

Insert Size: 2085 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_181820.2](#), [NP_861541.2](#)

RefSeq Size: 2346 bp

RefSeq ORF: 2085 bp

Locus ID: 353499

UniProt ID: [Q7TQ65](#)

Cytogenetics: 7 A1

Gene Summary: Probable ion channel.[UniProtKB/Swiss-Prot Function]