

Product datasheet for **RN208745**

Tmc4 (NM_001034104) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmc4 (NM_001034104) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tmc4
Synonyms:	MGC124845
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN208745 representing NM_001034104
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAAGAAAGTCCCAGGGAAGCCTGGGCCAATTCCCGCCTGGTCTAGTTCCTGGAAAGCCAGAACAG
 GCCCATCACTGGCGTCTGTGCTGAATGACCTCCCGAGTGTCTACGCTTCGATACCGTGGCCCTGGTGT
 GCTCCCTTGGGGACACTGGATGAAATGATGATGAAGGAAGAAGCCTTCAGGCCTTTCAGAGACTGCC
 CAAATGGAATCTCAGCCTTCCCGGAACTTCCCTGGCCTATGCAAGCAAGGCGGGCACACAGGAAGAGCC
 AGGCTAGAGAGCAGGTGGCTTCTGGCTCTGAATCGAGGGTGCCTACTGGACCAACAGCTTTCCAGAAC
 CAAGGGGAAAATGAAAGAAGGCTTCAAACATAACAGCCTGGGCATGGACACTGAAGAAAATTGGGGGC
 CAGTTTGGAGCAGGCACTGAGTCTACTTCTCTGCTGCGCTTCTGCTCTTTCTCAACCTGGGGGCAT
 CTGTAATTGAAGTCTGCATGAAGCTGATCCCCACCTGGTTGGAAGGGGCTCTCCAGGTCCACCTGGCCC
 TAACATCTCTCACCTTGTGGTTCTATATTTCCACACTCAAGGCCTGGTCACCTTCCCCACCCAGCTC
 TTCAACTTGCTCTCTGGAGAGGGTTACCTAGAGTGGTCCCTCTGTTCTATGGGTTCTACCCACCCCGAT
 CGAACCTGGCCATCACCTATCTGTGCTCCGCTTTTGCCATCGGCCTCATCTACTTGCTATTCATCTACA
 CCGTTCGGTGTCCGGTTGAAAGAGACACTGTTGGCTGAGTCAGATGTTCTGACCAGCTACAGTCATCGA
 GTGTTCTCAGCTTGAATTTTGGCCTCTGCGGGGACATGCACGTGCGGCTGCGGCAGCGCATATTTTGT
 ATGAACTGCAGGTGGACCTAGAGGAAGCAGCAGTCCGGCGCCGTGCTACGGAGCAGACGCTGGGCCAACG
 AGTCAAGGTGTGGTCGATGAGGGCGCTGCTCAACTTGTAGTCTCGCGCTCTGGGGGCTGCCTTCTAT
 GGCATCTACTGGCCACAGAGTACACCGTGACACTGCAGGAGACACCAAGTTGTCCAACAGACCCCACTAC
 TCAAGCTTCTGGTGAATTATCTTCCATCTATCTTCATTTCCGTGTTCAACTTTGTGCTGCCTCTGCGTT
 CAGGTTTATTGCCTCACTAGAGGGCTACACTCACAGCCGTCAGATCGTCTTGATCTGCTTAGGACTGTG
 TTTTGGCTCTGGCCTCCCTGGTGTCTTCTGTTCTCTCTGTGGAATCAGATCACGTGTGGAGGAAACA
 TGGAGGCAGAAGAATGCAAGGCTTGTGGCTACAATTACAAAGAAATTCGTGCTGGGAGACTCGACTGGG
 CCAGGAGATGTACAACTTGTGCTCTTTGATCTGCTGATGGGCCTGTTGGTCACGCTGTTGATCCAGTTT
 CCTAGGAAGATACTCTGTGGCCTCTGCTTGGGCATTGGGTCTGCTGCGGAACTCTGGAGTTCCAGG
 TGCCCGATGAAGTCTGGGACTCATCTATGCTCAGACCGTGGTCTGGGTGGGAAGCTTTTCTGCCCTTT
 ACTACCTTTGATCAACACCGCCAAGTTCTCATACTTTTTGGCTGAAGAAGATAACACTCTTCTCCATC
 TACTACCGGCTTCCGAACCTCCGAGCATCCACAGCAAATTTCTTTTCCCCCTGGTACTCCTTGTGG
 GTCTGGCAATCTCTGCTGTCCCTGTGCTTACAGTATCTTCTGATCCCACCTTCTAAGCTGTGTGGTCC
 ATTCCAAGGGAAGTTGTCCATTTGGGCCAGATCCCTGAGTCCATTGAGAGCCTCCCTCAGACTGCCAG
 AATTTTCTCTACTTTCTGGGAACCCAGGCTTTTACTGTACCCCTTCTGATCGTCTCTAGCATCCTGATGA
 TGTATACAGTAGCCCTGGCTAACTGTTATGGACGCTCATCTCTGAGCTCAAACGCCAGATAGAGACGGA
 AGTACAAAATAAAGTCTTCTAGCCAGCGAGCTGTAGCTCTGAGCTCAAGGAATGGAGTTTCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001034104

Insert Size: 2097 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.
RefSeq:	<u>NM_001034104.1, NP_001029276.1</u>
RefSeq Size:	2307 bp
RefSeq ORF:	2097 bp
Locus ID:	308310
UniProt ID:	<u>Q496Z4</u>
Cytogenetics:	1q12
Gene Summary:	Probable ion channel.[UniProtKB/Swiss-Prot Function]