

Product datasheet for **RN214195**

Tmc1 (NM_001108521) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmc1 (NM_001108521) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tmc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >RN214195 representing NM_001108521
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATCGCTACTGTCAAATGTAACCTTGAAAATGGAGAAGAAAATTGAAGTTCTCAAGGAAGCAAAGA
 AATTTGTGAGTGA AAAATGAAGGAGCTCTGGGAAAGGAAAAGGAAAAGTGGTTTGCATTTAAGATGAT
 GATGGCCAAGAAAATGGGCAAAATTCCTCCGTGATTTTGAGAACTTCAAAGCTGCTTGTGTCCCATGGAA
 AACAGATCAAGGCAATTGAAAGTCAGTTTGGTTCTCAGTGGCCTCATACTTCTGTTCTGAGGTGGA
 TGTATGGCGTCAACATGGTTCTCTTTATATTGACCTTCAGCCTCATCATGTTACCAGAGTACCTCTGGG
 TTTACCATATGGCAGTTACCTAGGAAAACAGTCCCAAGAGCTGAAGAGGCATCTGCAGCAAACCTTGGT
 GTGCTGTACGACTTCAACGGCTGGCACAGTACTCTGCCTCTTTATGGCTATTACGACAATAAACGCA
 CAATCGGATGGCTGAATTCGGCTACCTTTCTACTTCTGGTGGGATTATGTGCATTGGATACAG
 CTTTCTGGTTGTCTCAAAGCGATGACCAAAAACATCGGTGATGATGGAGGTGGCGATGACAACACTTTC
 AACTTCAGCTGGAAGGTGTTCTGTAGCTGGGACTATCTGATTGGTAACCCGAAAACAGCTGACAACAAAT
 TCAATTCTATCAGATGAACCTTAAGGAAGCCATCATTGAAGAGAGAGCAGCCCAGGTGGAGGAGAACAT
 CCACCTCATCAGATTCCTGAGGTTTCTTGTAACTTCTTCGTGTTCTTAACACTTGGTGCAGTGGATAC
 CTCATCTTTGGGCTGTGAAGCGATCCCAGGAATTTGCCAGCAAGATCCTGACACCCCTGGGTGGTGGG
 AAAAGAATGAAATGAACATGGTTATGTCCTCTGGGGATGTTCTGTCTACGCTGTTTGACTTATTTGC
 TGAAGTGAAGATTACCATCCTCATCGCTCTGAAGTGGCTCCTGGGACGCATTTTGTCTTCTCTA
 GGCAACTTGTATGATTCATTCTCGCTTGATGGATGAGATTAACAACAAGATTGAAGAGGAGAAGCTTG
 TGAAGGCCAATATTACCCTGTGGGAAGCCAACATGATTAAGGCTTACAATGAATCTCTCTGGGAACAC
 GACAGGGCCACCCTTTTCGTTTCATCTGCAGATGTACCCGAGGTCCCTGCTGGGAAACAATGGTGGGG
 CAGGAATTCGTGCGTCTCACAGTTTCTGATGTCCTGACCACTTATGTCACGATCCTCATTGGTGACTTCC
 TCAGAGCATGTTCTGAGGTTCTGCAACTACTGCTGGTGGTGGGATTTAGAATATGGCTATCCTTCATA
 TACAGAATTCGACATCAGTGGCAACGCTCCTCGCTCTGATCTTCAACCAAGGCATGATCTGGATGGGCTCC
 TTCTTTGCTCCTAGCCTCCCAGGCATCAACATCCTCCGACTCCACACATCCATGTATTTCCAGTGTGGG
 CTGTGATGTGCTGCAATGTTCCCGAGGCCAGGTCTTCAAAGCTTCCAGATCCAACAACCTTCTACCTTGG
 GATGCTGCTCCTCATCCTTCTGTCCACCATGCCGTTCTGTACATGATTGTCTCCCTCCCACCGTCT
 TTTGATTGTGGGCCTTTTCAAGTGGTAAAAACAGAATGTTTGAAGTCATTGGTGGAGACCCTGGAACACGATT
 TCCCAAGCTGGATGGCGAAGATCCTGAGGCAGCTTCTAACCCCGCCTTGTCTATTGCTGTCTTCTGGT
 GATGGTTCTGACCATCTACTATCTCAATGCTACTGCCAAGGGACAGAAAGCAGCAAACCTGGATCTCAAA
 AAGAAGATGAAACAGCAAGCTTTGGAGAACAAAATGCGAAAACAAGAAGATGGCGGCCGCTCGAGCAGCTG
 CAGCTGCTGGTGGCCAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001108521
Insert Size: 1980 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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: [NM_001108521.1](#), [NP_001101991.1](#)

RefSeq Size: 2703 bp

RefSeq ORF: 1980 bp

Locus ID: 361739

Cytogenetics: 1q51