

Product datasheet for **RN215572**

Tmc2 (NM_001106510) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmc2 (NM_001106510) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tmc2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN215572 representing NM_001106510

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGCCCCAGTTAAAGAGCCTGGATGGGAAGATGACAAGTCAGCAAGGAGACCCACAAGGAAACAAA
CCTCCATAGCTGCATGTCCCAAGATGGGCACCGAGCCAGTCTAGCCGGAAGGATCCTGCTAAGGGTAG
CCCCAGACCAGGGTCTTCCCGGAAGAAACAGATGGAGCATGGAAGCTATCAAAAGGGACTCGGGGACAG
AAACCATGCAAAGTGAGAGGCCCTCCAGGGGAGGAAGAAGGACCGGAGAACTCCCTCACGGAGCGGA
GAACACCTCCAAGGAAGGAAAGGAGGTTCTGAGGAAGGAGACAGGCAAGCATCTGAGAAAGCCAGGAC
TACTTCTTGGCCTCCAGTGTCTCCACTAGAGAGTCCCTGTGAGAAGAGGAGTTGGCTCAGATCCTGGAA
CAGGTGGAAGAGAAAAAGAGCTCATCTACCATGAGGAACAAACCTGGCCCATGGCGAAGAAGCTGA
GGGAAGTCAAGGAAGCCCAAGCCTTTGTGGAAGATATGAAGGAGCCTTGGGAAAAGGCAAGGGCAAACA
CCTCTATGCCTACAGGATGATGATGGCTAAGAAATGGGCCAAGTTAAGAGGGACTTTGATAATTTCAAG
ACGCAATGTATTCCCTGGGAAATGAAGATCAAGGACATTGAAAGTCACTTTGGTTCTTCCGTGGCGTCTT
ACTTCATCTTCTCCGATGGATGTACGGAGTAAACCTCGTCTTTTGGCTTAATATTTGGTCTAGTCAT
CATCCCAGAGGTGCTGATGGGCATGCCCTACGGAAGCATACCCAGAAAGACGGTGCCTCGGGCTGAGGAA
GAAAGAGCCATGGACTTCTGTCTTTGGGATTTGAGGGCTACATCAAATATTTCTGCTCTCTTCTATG
GCTACTATAACAACAGAGGACCATCGGATGGCTGAGGTACAGACTGCCCATGGCTTACTTTATGGTGGG
GGTCAGCGTGTGGCTACAGCTTGATGATCGTCATTAGTTCGATGGCCAGCAATACCCAGGGTAGCACC
AGCGAGGGGGACAGTGACAGCTTCACGTTACGTTCAAGATGTTACCAAGTTGGGACTACCTCATCGGGA
ATTGAGAGACAGCAGACAACAAATATGTCTCCATCACCACAGCTTCAAGGAATCTATAGTGGATGAACA
AGAGAGTAGCAAAGAGGGGAATATTCACCTGACAAGATTCTCCGTGTCCTGGCCAACCTTCTCATTCTC
TGCTGTCTGTGTGAAGCGGGTACCTCATTTACTTTGTGGTGAACGGTCCAGGAGTTCTCCAAAATGC
AGAATGTCAGCTGGTATGAAAGGAATGAGGTGGAGATCGTGATGTCTCTGCTAGGGATGTTTTGTCTCC
TCTGTTTGAAACCATCGCCGCCCTGGAGAATTATCACCCGCGCACCGGGCTGAAGTGGCAGCTGGCCGC
ATCTTTGCGCTCTTCTGGGAAACCTCTACAGTTTCTCTGGCCCTCATGGACGATGTCCACCTTAAGC
TTTCTAATGAGGAGAAAATCAAGAACATCACTCACTGGACCTGTTTAACATTACAATTCCTCGGGTGG
GAATGAAAGTGTCCCGGCCACCACACCCCTGCAGACGTGCCAGAGGTTCTTGTGGGAGACAGCT
GTGGGCATTGAGTTTATGAGGCTGACTGTGTCTGACATGCTGGTAACGTACCTCACCATCTTGGTTGGG
ATTTCTCCGAGCTTGTGTGTCCGGTTCATGAATCACTGCTGGTGTGGGACCTCGAGGCTGGTTTTCC
CTCATATGCCGAGTTTGATATTAGTGGAATGTACTGGGTTTGATCTTCAACCAAGGAATGATCTGGATG
GGCTCCTTCTATGCTCCAGGACTCGTGGGCATCAATGTCTGCGTCTGTTGACCTCCATGTACTTCCAGT
GCTGGGCAGTGATGAGCAGCAACGTTCCCAACGAGCGGTGTTTAAAGCCTCCCGATCCAACAACCTCTA
CATGGGCTTGTGCTGCTGGTGTCTTCTCAGCCTCCTACCGGTGGCCTACACCGTATGTCTCTCCCA
CCCTCGTTTGACTGTGGCCCTTCAGTGGGAAAAACAGAATGTATGATGTCCTTCATGAGACCATTGAAA
ATGATTTCCCTAAATTCCTGGGCAAGATCTTCGATTCTCGCCAATCCGGGCTTATCATTCCAGCCAT
CCTACTGATGTTTCTGGCCATCTACTACCTGAAGTCAAGTTTCAAAAAGTCTTTCGAGAGCTAATACCCAG
CTTCGAAAGAAAATCCAAGCGTCCGTGAAGTTGAGAAGAACCAAAATCCATCAAGGGAAGGCCACAG
TCACATATTGAGAGACAAAATAAGAACAGCTCCAAAATGCCACCCAGCCACATCTTACTAATGAAGA
GCCCACATCTTACTCTCCAGCCAAATCCAGACTCTGGACAAGAAAGCGCGGGGCTCCAGCACCTCCAGG
ACTGATGGTGGGCGCTCAGAGTACCTCCTGGCACCATGTTGGGTCTCAGCCACCAAGAGTCAGACAAG
ATTCTGGCCAACCCAGTCTCAGACTTACACAGGCAGGTACCTTCTGAAAGAGAACCAGAGGCTCA
CAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001106510

Insert Size:	2667 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_001106510.1, NP_001099980.1</u>
RefSeq Size:	3103 bp
RefSeq ORF:	2667 bp
Locus ID:	296153
Cytogenetics:	3q36