

Product datasheet for **RN217249**

Tmtc2 (NM_001171177) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmtc2 (NM_001171177) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tmtc2
Synonyms:	RGD1309848
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN217249 representing NM_001171177

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

 ATGATTGCAGAGTTGGTGAGCAGCGCTCTGGGGCTCGCCTTGATCTCAACACCCTGAGTGCGGATTCT
 GCTACGATGACAGCCGTGCTATCAAGACTAATCAGGACCTGCTGCCAGAAACCCCTGGACCCACATTTT
 CTATAATGATTTCTGGGGGACTCTTCTAACCCACAGTGGTAGCCACAAATCCTACCGGCCCTCTGCACT
 CTTTCTTTTTCGACTGAATCATGCCATCGGAGGGCTGAATCCCTGGAGTTATCACCTTGCTCAATGTCTGT
 TGCACGCGGCCGTACCGGCCTCTTACACGCTTCTCCAAGGCCCTGCTGGGGACGGATACTGGACTTT
 CATGGCGGGCTTGATGTTTGCCTCGACCCCATTCACACGAGGAGTGGCGGGCATCGTGGCCGGGCA
 GACGTGGCGCCAGTCTTTTTCTCTGCTGCTGCTACCAAGCACTGTTCTACAAGAGGCT
 ACTCAGCCAGAACTTGGGGCTGGTTCTGGGGACAGGACTGTGCGCTGGATGCAGCATGCTGTGAAGGA
 GCAAGGAGTGACCGTCTCGCAGTTTCAGCCGTTTATGACGTCTTGTCTCCACAGGCTGAAGATGAGG
 CAGATTCTTCTACCATTTACAAAAGGAAGAACTTGTCTCTTTCTCAGCATTAGCTTGTAAACATTCT
 GGGGGACCAAGCTTTTGGGTGCCCGTTATACTGGATGGGCAATAAACCCCAAGCTTTTCCAACCTCCGA
 CAACCCCGCTGCTGACTCGGACAGCCTTTTGGCTCGCACGCTCACTTTCTTATTTACCTACCAAGAAC
 CTCTGGCTATTGCTCTGCCCCGACACCTGAGCTTTGATTGGTCCATGGACGCCGTGCTCTTCTCAAAA
 CAGTTTGTGATTGGAGAAATCTACACACTGTGGCCTTCTATTCTGGACTTCTCTGCTCGCTACTGTGG
 TTTGAAGAGCCCAAGTTTAGAAGGAGAGTGCAACGGGAAAGCTGTGACAAACGGCAAGCAGAACGCCAAT
 GGCCATAGTTGCTACTCAGACGTGGAGTACCGGAACTCAGAAATTAAGCCAGCTTTGCATCCAAAGTAG
 AGAATGGAATTAAGTTGCGTATCACAGAGACCTCAGTCCCTTCCACTGAGAACATTGCATCCTGTCT
 TTTATCTTTGTTGATAATACCTTTTATTCTGCCACGAACCTGTTTTCTATGTCGGCTTTGTAATCGCA
 GAGCGAGTCTTATATATCCAGTATGGGCTTCTGCCTTCTGATCACAGTGGGCGCCAGAGCCCTTATG
 TCAAAGTACAAAAGAGTTTCTCAAGAGCCTGGTTTTTATGCTACAGCAACGTTAATTGTCTTCTACGG
 ACTCAAGACTGCGATCAGGAACGGAGACTGGCAGAATGAGGAGATGCTGTATAGATCAGGGATCAAAGTG
 AACCCCGCCAAAGCATGGGGTAACCTTGGAAATGTTCTGAAGAGTCAGAGTAAATCTCTGAAGCTGAAA
 TCGCCTATAGAAATGCTCTGTACTACCGCAGCAACATGGCTGACATGCTGTATAATTTAGGGTTGCTGCT
 CCAAGAGAACAGCAGTTTGCAGAAGCTCTCCATTATTACAACTGGCTGTGCGCAGCAGGCCTACCCTG
 GCTTCTGCCTATTTAAACACCGGCATCATTCTCATGAACCAAGGGAAGACAGAAGAAGCCCGACGTACAT
 TCCTCAAGTGTTCTGAGATTCCAGATGAGAATCTGAAGGATCCTCATGCACATAAGAGTTCTGTTACCAG
 CTGCCTGTACAACCTCGGGAACTCTATCATGAGCAAGGACGCTATGAGGAAGCCCTGAGTGTTTATAGG
 GAAGCAATTGAGAAGATGCCAAGGCAGTTTGCCCTCAGAGCTTATACAACATGATGGGCGAAGCCTACA
 TGAGACTGAGTAAGCTTCTGAAGCTGAGCATTGGTACATGGAATCATTGAGATCCAAGACGGACCACAT
 CCCTGCTCATCTTACCTATGGGAAGCTGCTGGCGCTAACAGGTCGTAAGAGTGAGGCTGAAAAGTTCTTC
 TTGAAGGCTATTGAGCTGGATCCTACCAAAGGAACTGTTACATGCACTATGGTCAGTTTCTCTGGAGG
 AATCTCGCCTCACAGAAGCAGCCGAGATGGCAAAAAAGCAGCTGAGCTGGACAGCACAGAGTTCGATGT
 CGTCTTCAATGCTGCCACATGCTCAGACAAGCTAGCCTCAATGAAGCTGCGGAGAAGTATTACGATCTT
 GCAGCAAGACTGAGACCTAATTACCCTGTGCTCTCATGAACCTAGGGGCCATCCTACATCTCAATGGGC
 GACTCCAGAAGGCTGAGGCCAATACCTGAGGGCTCTGCAGCTCAAGCCGGATGATGTCACTCACTCAGTC
 CAATCTCCGAAGCTGTGGAACATCATGGAAGCAAGGCTTGAAGACCTCAAGACCT**TGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001171177

Insert Size:

2511 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001171177.2, NP_001164648.2</u>
RefSeq Size:	3050 bp
RefSeq ORF:	2511 bp
Locus ID:	299762
Cytogenetics:	7q21