

Product datasheet for **MC222768**

Tmtc1 (NM_198967) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmtc1 (NM_198967) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmtc1
Synonyms:	Arg99; BC023818
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC222768 representing NM_198967
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGGTGACCCGCGGGACCGCGCGCGGGAGCGCGCCCTCGCGGCCCGCGCTCGGGCTGG
 TTCACGCGGGGGCGCGCGCTGCTAGCTGGGGCCAGCTGCCTTTGCTACGGCCGCTCGCTCGGGGCGA
 GTTTGTACACGACGATGTGTGGCGATCGTGAACAACCCGACGTGCGGCCCGGGACACCCTGCGCTGG
 GCCATCTTCGCTAACGACTTCTGGGCAAGGGCTGGCGGACAGCACCAGCCACAAGTCCTATCGGCCAC
 TGTGCGTGTCTTCCAGGCTAAACATATTTCTGACTGGCATGAACCTTTCTACTTCCACGCGGTCAA
 TGTCACTTACACTGCCTGGTGACCCTTGTGCTGATGTATACCTGTGATAAAACAGTCTTCAAGAATCGC
 GGACTGGCGTTTGTACAGCTTTGCTCTTGGCGTGCACCCAGTCCACACTGAGGCGGTGGCTGGCATCG
 TGGGCAGAGCTGATGTACTAGCATGCCTCCTGTTCTGCTGGCCTTTCTTCTACCAAAGGAGTCTGGA
 TCAGGGCTGTGCAGGGCAGTGTCTCCCAACAACGGCTTCCCTTCTTCTGCTGCTCAGTTTGTCTG
 GGGACCTGTGCCATGCTGGTGAAGGAGACAGGCATCACCGTGTGGAGTGTGCTGGTTTATGATCTCT
 TCTCTCCCTCCCAAGCAGGACAAGTTGAGCAATGGGGCGGTCTGTGACGACAGCTCTGGGAGCCAGG
 GAGCCCCAGCCTTCTCTCAGCAAGCCACCCACCCTGAGAGCAGAAAGCAGCGCTTCCACACAAA
 GACTCCTGGGAGGCTGCCATTACCAATTGCCACCAGAGCCCAAGAGCAGTGGATTCCCCATGTCGCCGA
 GAGCTATGTGGTCTGTATGAGGTGTCTGACTGGGAGCACCAACAGAAATTTCTTCTTACCTTGAGACC
 GTTTTTAAAGCGGGCCATTTGGTCATCAGTTATGTGACTGTCAATTTGTATTTCCGCTGTGGATAATG
 GGAGGAACATGCCCCCTTCTCAGAGCAAGACAATCCAGTTCATTCTGCCATACATCCTTACAAGGT
 TCCTTACCTATTCCTACCTCTGGCCTCAATGTATGGCTTCTGCTGGCACCATCACTCTGTGCTACGA
 CTGGCAAGTGGGAAGTATCCCTCTGGTGGAGACCATATGGGATGTGAGGAACCTTGCTACCATCCTCTG
 GCAGTGGTGTGGCCTTACTGAGCCTGCACTGTGTGGCAGCCTTCAAGAGGCTGGAGCACAGGAAGTAT
 TGGCCGGCTGTGTTCCCTCGTGTCCCGTTCATTCCAGCCAGCAACCTATTCTTCAAGGTGGGCTTTGT
 GGTGGCCGAGAGTCTGTACATGCCTAGCATGGGCTACTGCATTCTGTTTGTGCATGGACTGAGTAAG
 CTCTGTGCTGGGCTGAGCCGGTGCGGGGCCACCTCCCTGATGGCGTCCACTGTGTGCTTCTGCTGCTGT
 TCTCTGGAAGACTGTGAAGCAGAATGAAATCTGGCTGTGAGAGAGTCTTATTCAGGTCTGGAGTTCA
 GACTCTACCCACAATGCCAAGTTTATTACAACACTACGCCAATTTCTAAAAGACCAAGGTGGAAACAAG
 GAAGCGATCTACCACTACAGAACCGCCCTCAAGTGTACCCACGCCACGCAAGTGCCTGAAACAACCTTG
 GGACACTGACCAAGGACATGGCAGAAAGTAAAGTGTACTACCAGAAGGCATTGCAGCTCCACCCGACGA
 CAACCGTGCACCTTTCAATCTGGGAATCTCCTCAAGTCCAGGAGAAGACAGAGAAGGCATCATGCTG
 CTGAAGGAATCCATTAATATGGTCCAGATTTTGTGCTGATGCCTATTCAAGCTTGGCTTCCCTACTGGCGG
 AGCAGGAAAGATTTAAGGAAGCTGAGGACATTTACCAGGCTGGAATAAAGAACTGTCCGGACAGCTCAGA
 CTTACACAACAATATGCAGTTTTCTTAGTTGACTCTGGCTTTCCTGAGAAGGCTGTGGCTCACTACCAG
 CAGGCCATCCAGCTCAGCCCAAGCCATCATGTGGCTGTGGTGAACCTAGGCCGACTCTACAGGTCCCTGG
 GAGAGAACAGCAAGGCTGAAGAGTGGTACAGACGTGCCCTGAAGGTGGCCGACGGCTGAGGTACTGTC
 ACCTCTGGGAGCGCTCTATTACAACACTGGCCGACACAAGGAGGCACTGGAGGTGTACAGGGAAGCTGTC
 TCACTCCAGCCTCCAGAGGGAGCTCCGCTGGCTCTGGCACAGGTTTTAGCAGTGTGGTGTGAGACCA
 AAGAAGCTGAAAAGATAACCAGCCATATAGTCTCTGAGGAGCCAGGTGCCTGGAGTGTACCGCCTCCT
 GTCAGCAATCCACAGCAAGCAGGAGCACCATGGGAAGGCACTCGAGGCCATAGAGAAGGCTCTTCAACTG
 AAGCCCAAGGACCCAAAAGTCATATCTGAACTATTCTTTACAAAAGGAAACCAGCTAAGAGAACAGAACC
 TTCTGGACAAAGCTTTTGGAGCTATGAAGCTGCTGTGACCCTGGATCCTGACCAGGCACAGGCATGGAT
 GAACATGGGTGGCATCCGGCACATCCAGGAAGCTATGTGTCTGCAAGGGCTATTATGAGAGAGCCCTG
 AAGCTGGTTCAGACAGCAAGCTGCTGAAGGAAAATCTGGCCAAGCTGGATCGCCTGGAGAGGAGTTAC
 AAGAAGTCAGAGAACGGGATCAAACATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:	NM_198967
Insert Size:	2829 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:	<ol style="list-style-type: none">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_198967.5 , NP_945318.2
RefSeq Size:	8346 bp
RefSeq ORF:	2829 bp
Locus ID:	387314
UniProt ID:	Q3UV71
Cytogenetics:	6 G3
Gene Summary:	<p>Transfers mannosyl residues to the hydroxyl group of serine or threonine residues. The 4 members of the TMTC family are O-mannosyl-transferases dedicated primarily to the cadherin superfamily, each member seems to have a distinct role in decorating the cadherin domains with O-linked mannose glycans at specific regions. Also acts as O-mannosyl-transferase on other proteins such as PDIA3.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>