

Product datasheet for **MC216936**

Trmt6 (NM_175113) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Trmt6
Synonyms:	3300001M20Rik; AU016412; AW492787; CGI-09; mKIAA1153
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC216936 representing NM_175113
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGCATCAGCTGCGGAGCAGCCGAGCTCACCGCCCCGCCTCTCGGGGACCACTGCATCCATGACG
 GTGACTTCGTGGTGCTGAAGCGAGAAGATGTGTTCAAAGCAGTGCAAGTCCAGCGGAGAAAAAGTAAC
 TTTTGAAGCAGTGTTTCTACCTGGATAACGCCATCGGCCATAGTTACGGCTCAGCGTTTGACGTGAGC
 AGTGGAGGCAGCCTTCAGCTCAGGAAGAAGCTGGAGGAGCCCGCTCAGAGACCAAAGAAGCAGGCACGTG
 ATAATCGAAATATAGTTGATGATGGAAGTCCAGAACTTACTCAAGATGATATAAAGCTCTGAAAGA
 CAAGGGCATTAAAGGAGAGGAAATAGTTACGAGCTAATTGAAAAATAGTACAACATTCGTGACAAGACA
 GAATTTGCCCAAGATAAATATATTAAGAAAGAAGAAAAATATGAAGCCATCGTTACTATCTTGAAGC
 CATCTACCGTATTCTTTCAATTATGTATTATGCAAGAGAACCTGGAAAAATTAACCACATGAGATATGA
 TACACTAGCCAGATGTTGACGTTGGGAAATATCCGTGCCGCAATAAAATGATTGTCATGGAAACGTGC
 TCGGGCTTGGTGCTAGGTGCCATGATGGAACGAATGGGAGGCTTTGGCTCCATTATTCAGCTGTATCCTG
 GAGATGGACCCGTTTCGGGCGGCAACAGCATGTTTGGATTTCCCAAATCTTTCCTCAGTGGTCTTTACGA
 GTTCCCTCTCAACAAAGTAAACAGTCTCCTCAATGGGACATTTTCTGCTGAGATGCTGTCTCAGAGCCT
 AAAGACAGCACTCCAGTTGAAGAAAGTAACGGTGAGCTTGAGGAGAAAGAGATTGCTGAACAAGCGGATG
 AAGACAACATTGTGGATGCCGAGAAAAACAACCTCAGGAGAACAGAGACCAATGGAGATTGTTCTGGGGA
 CCCAGAGAATAAGGAGCCCAAGAAAAAGAAAGCAAAAGAGATTATTCAGGAAAAGCAAAGGAGACAA
 GAAGAGCAGAGGAAAAGACATCTGGAGGCTGCTGCTGCTGGGAGAAAGAAATGCAGATGGTTTGATTG
 TGGCCAGTCGTTTCCACCCACGCCCTGCTGCTGCTTTGCTGGACTTTGTAGCCCGCTCAAGGCCGTT
 TGTGGTCTACTGTCAGTATAAAGAGCCTTTGTTGGAATGCTACACAAAACCTTCGGGAGAGGGGAGGAGTC
 ATTAACCTGAGTTGTCTGAAACCTGGCTCAGAAATTACCAGGTTCTGCCAGATCGGAGTCATCCCAAAT
 TATTGATGAGTGGCGGTGGAGGGTACCTTCTGTGAGGGTTCAGTGTGCTCAGACAGCCTTCGGGCAGA
 CCCAGCCTCAAGTCCTGCACAGCGCTTTAGACCCACACAAGGCTGAGGAGCCAGCAGCTAAAAACAG
 AAATGCATGAATCTGCCTCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_175113

Insert Size:

1494 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_175113.3, NP_780322.2</u>
RefSeq Size:	2820 bp
RefSeq ORF:	1494 bp
Locus ID:	66926
UniProt ID:	<u>Q8CE96</u>
Cytogenetics:	2 F2
Gene Summary:	Substrate-binding subunit of tRNA (adenine-N(1))-methyltransferase, which catalyzes the formation of N(1)-methyladenine at position 58 (m1A58) in initiator methionyl-tRNA. Together with the TRMT61A catalytic subunit, part of a mRNA N(1)-methyltransferase complex that mediates methylation of adenosine residues at the N(1) position of a small subset of mRNAs: N(1) methylation takes place in tRNA T-loop-like structures of mRNAs and is only present at low stoichiometries.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longest isoform (1).