

Product datasheet for **MC202840**

Trmt5 (NM_029580) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trmt5 (NM_029580) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trmt5
Synonyms:	2610027O18Rik; mKIAA1393
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC012521 sequence for NM_029580
 CCGACGCGTGGGCTGCACCCAGAGCATGAGAATCGTATGGAAGCTATTTGGATTCTCAAGAAGACTTTTGC
 AAGTGGAATGGTGTACCCCAAGTGAATCAATATTGTTGTTTACCTGGTGCCGAGACTTAGGAAAGCGCC
 TTCTGTTTTCTTGTGGGTCAAAGACAAGGACTCTCAACCATGCCAGAAATAGAAGCAAGTGTGAGAGAT
 AGTGAATTATTTTACCACCCCTGTGACGTTTCGAGGAATGAGAGAACTTGATAGAACAGCTTTTAAGAAGA
 CAGTGTCCATCCCTGTGCTTAAAGCGAGGAAAGAAGTAGTCAACAGATTGATGCGAGCCCTCAGGAGAGT
 AGCCCTGCAGCGCCCGGCATAAAGCGAGTGATTGAGGATCCCAAGATGAAGACAGTAGGCTGATCATG
 TTGGACCCCTACAGGATGCTTACTGCTGATTCTTTGACAAAGCAGAACTCGGAGTTTTAAAGAACTTG
 ATGTCAGCCACAGTTATCCCACTGACAACCTGGAACATAACATATGAAAATTTTAAGTCAGAAAGAAATTTT
 GAAAGCTGTGCTTCTGAAGGTCAAGATGTAACTCTGGATTGAGCAGGTTGGGCATATTGCACACCTG
 AATCTCCGAGATCACCAGCTGCCCTTCAAGCATTTAATTGGCCAAGTTATGGTTGACAAAAACCCAGGAA
 TCACCTCAGCAGTAAATAAACCCAGCAACATTGACAATACGTACCGAAATTTCAAATGGAAGTGCTGTG
 TGGAGAGGAAAAATGCTGACCAAGGTTTCGAGAAAACAACTACACGTATGAGTTTGATTTCTCTAAAGTC
 TACTGGAATCCTGCTCTCTACTGAACATGGCCGGATCACTGAACTTCTCAACCCTGGAGATGTCTTGT
 TTGATGTTTTTGTGGGTTGGGCCCTTTGCCATTCCAGCAGCAAGGAAAACTGCACAGTGTGGCCAA
 TGATCTCAATCCTGAGTCCCATAAATGGCTGTTGCACAATTGTAACTGAATAAAGTTGACCAGAAAGTG
 AAAGTCTTTAATCATGGATGGAAAGACTTCATCCAAGGGCCAGTCAGAGAAGAGTTAATGCTTCGGCTAG
 GATTGTGACGTGAAGCTAAACCTCTGTCCACATTGTCATGAACTTGCCAGCTAAGGCCATAGAGTTTCT
 CAGTGTTTTTCAGATCACTTTTGGATGGGCAGCCTTGACGACGGAGCTCTCCCCACAGTGCAGTGTAC
 TGCTTCTCAAAGATAGCGATCTGCTAAGGATGTTTCGTGAGCAGGCGGAAGCTGTGCTGGGCGTTTCT
 TGGAGACCAGTAGTTCAGTTCATCTCGTAAGGAATGTGGCCCTAACAAAGGAGATGCTGTGCATCACCTT
 CCAGATTCCCACTGCTACACTCTACAGGAACCAAGCCTCAGTCTACAGAATGACCAAGAACCACCTCTT
 AAACGGCAGAAGACAGGTGACCCGTTCTCAGGAGAACCACAGATCGCATCAGATTCTAGTTTGAATGT
 TTTCTCCATCTCCCAAGTAGACTTTATGTAAAGAAAGTACAATTTGTAAGAGGTAACTCTACCACACAGA
 TATTTGTTACTAAACACTTACGATTTGCTCTTATAAATGGAACATTACCAAAAGTAACTGAAATAAGAGG
 AACTTGGATATTGTATAGACTGATTTTTTGTTCATCCATTTTTCTTTCTTTTTTATTATTTTTTGTG
 GCAGGATCTGTGTAACAGGGCTTAGAAGCTCTATCTTCTGCTCAGCCTCCAGCTGTTGGCATTTC
 AGCGTGCACCGCTGTTATTCAGCATAGTTTTAAACAGAATCGGCATGGGCCAGTCAGACCAGTCAGATG
 GCTCACTGGGTGAAGGCACTTGTGCCAAGCCTGATAGCCTGAGCCTGCCTAGGAACAACGTGGAAGGA
 AGAAATCCTGAAAGTCTTCTTCTGACCTCATGCGTGCACCAAGGTAATCATGTATACACTGCACAAAAT
 AAGCGAACAAATTAATAAACTTGGAATTTATGTAAGGAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_029580

Insert Size: 1506 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>BC012521</u> , <u>AAH12521</u>
RefSeq Size:	2080 bp
RefSeq ORF:	1506 bp
Locus ID:	76357
UniProt ID:	<u>Q9D0C4</u>
Cytogenetics:	12 C3
Gene Summary:	Involved in mitochondrial tRNA methylation (By similarity). Specifically methylates the N1 position of guanosine-37 in various tRNAs. Methylation is not dependent on the nature of the nucleoside 5' of the target nucleoside. This is the first step in the biosynthesis of wybutosine (yW), a modified base adjacent to the anticodon of tRNAs and required for accurate decoding. [UniProtKB/Swiss-Prot Function]