

Product datasheet for **RN200734**

Trmt10a (NM_001044232) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trmt10a (NM_001044232) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Trmt10a
Synonyms:	Rg9mtd2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN200734 representing NM_001044232 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCATCTGAAGTGTGCCAGCATCCATTGAGCCTCCTAATGTAGAAGGAAAGCCGGGCGCTAGTGACA
GTGAGGAGGAGAGACAGAAGCAGAGAGTGGATGCAGAGGCCAGCCAATATCTAAACGGCAACTGAAGAA
GCTGATGAAACAGAGACTATGGGAAGAGCAGCGGAACAGCGCAAGGAAAAACGAAAAGAAAAACGCAAG
AGAAAGAAATTAGAACGACGGTGTGAGTGGAGTCCAACCTCAGATGGAACGACAGGAAACGGATCCGAA
GACACGTTGCTCCTAGCAACCTCCGCTTATCATAGACTGCAGCTTTGATGACTTGATGGTGTAAAGGA
TATTAAGAACTTCAAAACAGATTCAACGATGTTATGCAGAGAACC GCCGCGCATCACATCCCGTTCAG
TTTTACTTGACAAGCCATGGAGGCCAAGTGAAGAAGAATGGATGAGAATGACCAAGGATGGGTCAACT
GGAAGGATATTCACATCAAGTCCGAGCACTATAGTGAACCTATAAAAAAGAAAGCCTGGTTTATCTGAC
GTCGGACTCACCTAATGTATTAAGGACTTAGATGAGTCAAAGGCCTATGTGATTGGAGGGTTAGTGGAC
CACAAACCACCAAGGGACTCACGTTTAAAGCAAGCATCCAGTTATGGAATCAAGCATGCACAGCTCCCTC
TTGCAGAGTTCGTGAAGATGAACAGTCGAAAAGTCTGGCGGTTAACCACGTGTTGAGATTATCCTGGA
GTTCTTGAGACAGGAGACTGGCAAGAGCGTTTTTTACAATCTTACCCACGGAAGGAGCTGTCCCC
GCACACAAGGCTGCGAAAGCTCTCCTCAGGACCACAGGCCCTGCCAGGAGGATGGGACAGTGCCATCG
AGGGAGAGCATGGCAGAGATGATCCTGGCTCTCCGCACAAAGAGCAGCAGGGCCAGCAAAGCAGCTCGGT
TTCTGCAGTGAGCCCTGACCCACAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001044232
Insert Size:	1008 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:	<u>NM_001044232.1</u> , <u>NP_001037697.1</u>
RefSeq Size:	1320 bp
RefSeq ORF:	1008 bp
Locus ID:	295496
UniProt ID:	<u>Q4KLI2</u>
Cytogenetics:	2q44
Gene Summary:	S-adenosyl-L-methionine-dependent guanine N(1)-methyltransferase that catalyzes the formation of N(1)-methylguanine at position 9 (m1G9) in tRNAs. Probably not able to catalyze formation of N(1)-methyladenine at position 9 (m1A9) in tRNAs.[UniProtKB/Swiss-Prot Function]