

Product datasheet for **RN204594**

Rnmt (NM_001008299) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnmt (NM_001008299) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rnmt
Synonyms:	MGC94587
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN204594 representing NM_001008299
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAAAGTTCTGTGAAAGCATCTGTAGATTCTGAGACAGAATCTTCTCCAGGTGTTAATGAAACCGCTG
 CTGCGTCTGGGCAGAGGCTTTCTGAAAAGACACGCCAGCAAGCAGATCAGCCGAAAACACAAGATGATCT
 TGTAGAGCAAAATTCAAGTTATGTGCAAGATTCTCCATCCAAGAAAAGAAAAGTATAGTGTGAAATCATC
 CTAGATGAAAACACTCTGAGGATGATGGAGGTCTTCAAAGAGAAGCAAAGTGGAGAGGGGTGGTGGGT
 CAGAAGATGAGCCTTCCCTGGAGGGCTTACCGAGAGAAAGCGAAAAGTGCAGCCTCAGGATGCCTTGGAA
 AACTCAGACTCGGAAATTCAGAAGCTGGAGGAAGGACACAGCTCAGCCGTGGCCGCCACTATAACGAG
 CTTCAGGAAGTCGGCTTGGTGAAGCGGAGTCAAAGTCGCATTTTCTACCTAAGAACTTTAATAATTGGA
 TAAAAAGTATTCTTATTGGGAAATTTAGAAAAGGTACGACAAAAGAAAAACCGTGACATCACTGTTTT
 GGACCTGGGATGTGAAAAGGTGGAGATTTGCTCAAGTGGAGGAAGGGGAGAATTAGCAGGCTAGTGTGC
 GCTGATATTGCCGATTTTCTATGAAGCAATGTCAACAACGCTACGAAGACATGAAATGTCGTCTGATA
 ATGAGTATATTTTTAGTGCAGAATTTATAACTGCTGACTGTTCAAAGGAACTTTTGGTTGAAAAATTCGA
 TGATCCAGAAATGACTTTGACATCTGCAGCTGTCAAGTTTCTTCCATTACTCCTTCGAGTCTTTGGAG
 CAGGCCGACATGATGCTTAGAAACGCCTGTGGAAGGCTTAACCCTGGCGGCTATTTTATTGGTACCCTC
 CCAATAGCTTCGAACTGATAAGACGCCTTGAAGCTTCAAGAAACAGAATCATTGGAAATGAAATATACAC
 TGTGAAATCCAGAAGAAAGGAAATATCCTTTATTTGGCTGCAAAATGACTTTAACTTGAAGGTGTT
 GTGGATGTCCTGAATTCTTGGTCTATTTCCATTGCTAACTGAGATGGCAAAGAAGTATAATATGAAGC
 TAATCTATAAAAAACATTTCTGGAGTTCTATGAAGAAAAGATTAAAGAACAATGAAAACAAAATGCTCTT
 AAAACGGATGCAGGCCCTGGAGTCATACCTGCGAACGAGAACTCTAAACTGGCCTCTGAAAAGCGGGC
 GACTACGCACATGCAGCCGAGTACATGAAGAACAGTCAAGTAAGTTACCTCTGGGAACGTTAAGTAAGT
 CAGAATGGGAAGCTACAAGCATTACTTGGTTTTTGCCTTTGAGAAGCAGCAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001008299

Insert Size: 1386 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.

RefSeq: [NM_001008299.2](#), [NP_001008300.1](#)

RefSeq Size: 2035 bp

RefSeq ORF: 1386 bp

Locus ID: 291534

UniProt ID: [Q5U2U7](#)

Cytogenetics: 18q12.1

Gene Summary: Catalytic subunit of the mRNA-capping methyltransferase RNMT:RAMAC complex that methylates the N7 position of the added guanosine to the 5'-cap structure of mRNAs. Binds RNA containing 5'-terminal GpppC.[UniProtKB/Swiss-Prot Function]