

## 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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN204594 representing NM\_001008299  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAAAGTTCTGTGAAAGCATCTGTAGATTCTGAGACAGAATCTTCTCCAGGTGTTAATGAAACCGCTG  
 CTGCGTCTGGGCAGAGGCTTTCTGAAAAGACACGCCAGCAAGCAGATCAGCCGAAAAACACAAGATGATCT  
 TGTAGAGCAAAATTCAAGTTATGTGCAAGATTCTCCATCCAAGAAAAGAAAAGAACTAGATGTCGAAATCATC  
 CTAGATGAAAAACACTCTGAGGATGATGGAGGTCTTCAAAGAGAAGCAAAGTGGAGAGGGGTGGTGGGT  
 CAGAAGATGAGCCTTCCCTGGAGGGCTTACCGAGAGAAAGCGAAAAGTGCAGCCTCAGGATGCCTTGGAA  
 AACTCAGACTCGGAAATTCAGAAGCTGGAGGAAGGACACAGCTCAGCCGTGGCCGCCACTATAACGAG  
 CTTCAGGAAGTCGGCTTGGTGAAGCGGAGTCAAAGTCGCATTTTCTACCTAAGAACTTTAATAATTGGA  
 TAAAAAGTATTCTTATTGGGAAATTTAGAAAAGGTACGACAAAAGAAAAACCGTGACATCACTGTTTT  
 GGACCTGGGATGTGAAAAGGTGGAGATTTGCTCAAGTGGAGGAAGGGGAGAATTAGCAGGCTAGTGTGC  
 GCTGATATTGCCGATTTTCTATGAAGCAATGTCAACAACGCTACGAAGACATGAAATGTCGTCGTGATA  
 ATGAGTATATTTTTAGTGCAGAATTTATAACTGCTGACTGTTCAAAGGAACTTTTGGTTGAAAAATTC  
 TGATCCAGAAATGTACTTTGACATCTGCAGCTGTCAAGTTTCTTCCCTTACTCCTTCGAGTCTTTGGAG  
 CAGGCCGACATGATGCTTAGAAACGCCTGTGGAAGGCTTAAACCCTGGCGGCTATTTTATTGGTACCCTC  
 CCAATAGCTTCGAACTGATAAGACGCCTTGAAGCTTCAAGAAACAGAATCATTGGAAATGAAATATACAC  
 TGTGAAATCCAGAAGAAAGGAAATATCCTTTATTTGGCTGCAAAATGACTTTAACTTGAAGGTGTT  
 GTGGATGTCCTGAATTCTTGGTCTATTTCCATTGCTAACTGAGATGGCAAAGAAGTATAATATGAAGC  
 TAATCTATAAAAAACATTTCTGGAGTTCTATGAAGAAAAGATTAAAGCAATGAAAAACAAAATGCTCTT  
 AAAACGGATGCAGGCCCTGGAGTCATACCTGCGAACGAGAACTCTAACTGGCCTCTGAAAAGCGGGGC  
 GACTACGCACATGCAGCCGAGTACATGAAGAACAGTCAAGTAAGTTACCTCTGGGAACGTTAAGTAAGT  
 CAGAATGGGAAGCTACAAGCATTACTTGGTTTTTGCCTTGGAGAAGCAGCAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 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]