

Product datasheet for **RR204594**

Rnmt (NM_001008299) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR204594 representing NM_001008299
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGTTCTGTGAAAGCATCTGTAGATTCTGAGACAGAATCTTCTCCAGGTGTTAATGAAACCGCTG
 CTGCGTCTGGGCAGAGGCTTTCTGAAAAGACACGCCAGCAAGCAGATCAGCCGAAAAACACAGATGATCT
 TGTAGAGCAAAATTCAGTTATGTGCAAGATTCTCCATCCAAGAAAAGAAAAGTATAGTGTGAAATCATC
 CTAGATGAAAAACTCTGAGGATGATGGAGGTCTTCAAAGAGAAGCAAAGTGGAGAGGGGTGGTGGT
 CAGAAGATGAGCCTTCCCTGGAGGGCTTACCGAGAGAAAGCGAAAAGTGCAGCCTCAGGATGCCTTGG
 AACTCAGACTCGGAAATTCAGAAGCTGGAGGAAGGACACAGCTCAGCCGTGGCCGCCACTATAACGAG
 CTTCAGGAAGTCGGCTTGGTGAAGCGGAGTCAAAGTCGATTTTCTACCTAAGAACTTTAATAATTGGA
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 TGATCCAGAAATGACTTTGACATCTGCAGCTGTGAGTTTCTTCCATTACTCCTTCGAGTCTTGGAG
 CAGGCCGACATGATGCTTAGAAACGCCTGTGGAAGGCTTAAACCCTGGCGGCTATTTTATTGGTACCACTC
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 TGTGAAATCCAGAAGAAAGGAAATATCCTTTATTTGGCTGCAAATATGACTTTAACTTGAAGGTGTT
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 CAGAATGGGAAGCTACAAGCATTACTTGGTTTTTGCCTTTGAGAAGCAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR204594 representing NM_001008299
 Red=Cloning site Green=Tags(s)

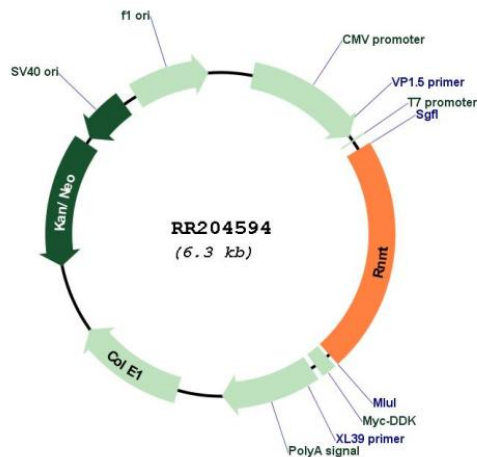
MESSVKASVDSETESSPGVNETAAASGQRLSEKTRQQADQPKTQDDLVEQNSSYVQDSPSKRKL DVEII
 LDEKHSEDDGGASKRSLERGGSEDESPGGLTERKRKLQPQDALETQTRKFQKLEEGHSSAVAAHYNE
 LQEVGLVKRSQSRIFYLRNFNWIKSILIGEILEKVRQRKNRDI TVLDLGCCKGGDLLKWRKGRISRLVC
 ADIADISMKQCQRYEDMKCRDNEYIFSAEFITADCKELLVEKFHDPEMYFDICSCQFACHYSFESLE
 QADMMLRNACGRNLNPGGYFIGTTPNSFELIRRLEASETESFGNEIYTVKFQKKNYPLFGCKYDFNLEGV
 VDVPFLVYFPLLTEMAKKYNMKLIYKTFLEFYEEKIKNNENKMLLKRMQALESY PANENSKLASEKAG
 DYAHAAEYMKNSQVRLPLGTLKSEWEATSIYLVFAFEKQQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001008299

ORF Size: 1383 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

MW: 52.8 kDa

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]