

Product datasheet for **MR207439**

Rnmt (NM_026440) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnmt (NM_026440) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rnmt
Synonyms:	2610002P10Rik; AI848273; mKIAA0398; Rg7mt1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207439 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGTTCCGCGAAAGCGTCAGTCGCTTCTGACCCAGAGTCCCCTCCAGGTGTAATGAGCCCGCTG
 CTGCCTCTGGGCAGAGGCTTCCAGAAAATACTCCTCCATGCCAGCAAGTAGATCAGCCAAAAATGCAGAA
 GGAGTTTGGGGAGGATCTTGTAGAGCAAAATTCGAGTTATGTGCAAGATTCTCCATCCAAGAAAAGGAAA
 CTTGATGTTGAAATCATCTTAGAGGAAAAGCACTCTGAGGATGATGGAGGTTTCGGCAAAGAGAAGCAAAAC
 TGGAAAGAGGTGATGTGTCGGAAGATGAGCCTTCCCTTGGTAGGCTTAACCAGACCAAGAGAAAACCTGCA
 GCCTCAGGACGATGAGGTACCGCAGAAGTTCAGAAGCTGGAGGAAGGACACAGCTCAGCCGTGGCTGCC
 CACTATAATGAGCTTCAGGAAGTTGGCCTGGCGAAGCGTAGTCAAAGTCGCATTTTTTACCTAAGAAACT
 TCAATAATTGGATTAAGTATTCTGATTGGGGAAATTTAGAAAAGGTACGACAAAGAAAAACCCGTGA
 CATCACTGTTTTGGACCTGGGATGTGAAAAGGTGGAGATTTGCTCAAGTGGAGGAAGGGGAGAATTAGC
 AGGCTAGTGTGTGCTGATATCGCTGATATTTCTATGAAACAATGTCAACAGCGTTACGAAGACATGAGAT
 GTCGTCGCGATAATGAGCATATTTTTAGTGCAGATTTATAACTGCTGACTGTTCAAAGGAACCTTTGGT
 TGA AAAATTCGTTGACCCAGAAATGACTTTGATGTCTGCAGCTGCCAGTTTGTGGCCATTACTCCTTT
 GAGTCCCAGGTGCAGGCGGATACGATGCTTAGAAATGCCTGCGGGAGGCTTAACCCTGGCGGCTATTTTA
 TCGGCACCACTCCAATAGCTTTGAACTGATAAGACGCTTGAAGCTTCAGAAACAGAATCATTTGGAAA
 TGAAATATACACTGTGAAATCCAGAAGAAAGGAAATTCCTTTATTTGGCTGCAAATGACTTTAAC
 TTGGAAGGTGTTGGATGTCCCTGAATCTTGGTCTATTTCCATTGCTAACTGAAATGGCAAAGAAGT
 ATAATATGAACTAATCTACAAAAAACATTTTTGGAATCTATGAAGAAAAGATTAAAAACAATGAAAA
 CAAAATGCTCTTAAACGAATGCAGGCCCTGGAGCAATACCCTGCACATGAGAAGCTCTAAACTTGCCTCT
 GAAAAGGTGGGTGACTACACGCATGCAGCAGAGTACCTGAAGAAGAGCCAAGTGAGGTTACCTCTGGGAA
 CCTAAGTAAGTCAGAATGGGAAGCTACAAGTATCTACTTGGTCTTTGCCTTTGAGAAGCAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207439 protein sequence
 Red=Cloning site Green=Tags(s)

MEGSAKASVASDPEPSPGGNEPAAASGQRLPENTPPCQQVDQPKMQKEFGEDLVEQNSSYVQDSPSKKRK
 LDVEIILEEKHSEDDGGS AKRSKLERGDVSEDEPSLGRNLQTKRKLQPQDDEVPQKLQKLEEGHSSAVAA
 HYNELQEVGLAKRSQSRIFYLRNFNNWIKSILIGEILEKVRQRKTRDITVLDLGGCGGDLKWRKGRIS
 RLVCADIA DISMKQCQRYEDMRCRRDNEHIFSAEFITADCSKELLVEKFRDPEMYFDVCSQFACHYSF
 ESQVQADTMLRNACGRNLNPGGYFIGTTPNSFELIRRLEASETESFGNEIYTVKFQKKGNYPFLFGCKYDFN
 LEGVVDVPEFLVYFPLLTEMAKKYNMKLIYKTFLEFYEEKIKNNENKMLLKRMQALEQYPAHENS KLAS
 EKVG DYTHAAEYLKKSQVRLPLGTL SKSEWEATS IYLVFAFEKQQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_026440

ORF Size: 1398 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_026440.1](#), [NM_026440.2](#), [NM_026440.3](#), [NM_026440.4](#), [NP_080716.1](#)

RefSeq Size: 5018 bp

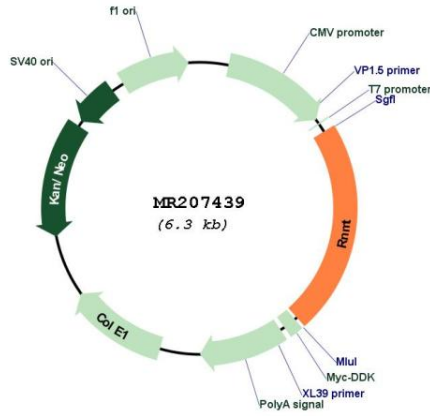
RefSeq ORF: 1398 bp

Locus ID: 67897

UniProt ID: [Q9D0L8](#)

Cytogenetics: 18 E2
MW: 53.3 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]

Product images:



Circular map for MR207439