

Product datasheet for **MG207439**

Rnmt (NM_026440) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnmt (NM_026440) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rnmt
Synonyms:	2610002P10Rik; AI848273; mKIAA0398; Rg7mt1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207439 representing NM_026440
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGTTCCGCGAAAGCGTCAGTCGCTTCTGACCCAGAGTCCCCTCCAGGTGTAATGAGCCCGCTG
 CTGCCTCTGGGCAGAGGCTTCCAGAAAATACTCCTCCATGCCAGCAAGTAGATCAGCCAAAAATGCAGAA
 GGAGTTTGGGGAGGATCTTGTAGAGCAAAATTCGAGTTATGTGCAAGATTCTCCATCCAAGAAAAGGAAA
 CTTGATGTTGAAATCATCTTAGAGGAAAAGCACTCTGAGGATGATGGAGGTTTCGGCAAAGAGAAGCAAAAC
 TGGAAAGAGGTGATGTGTCGGAAGATGAGCCTTCCCTTGGTAGGCTTAACCAGACCAAGAGAAAACCTGCA
 GCCTCAGGACGATGAGGTACCGCAGAAGTTCAGAAGCTGGAGGAAGGACACAGCTCAGCCGTGGCTGCC
 CACTATAATGAGCTTCAGGAAGTTGGCCTGGCGAAGCGTAGTCAAAGTCGCATTTTTTACCTAAGAACT
 TCAATAATTGGATTAAGTATTCTGATTGGGGAAATTTAGAAAAGGTACGACAAAGAAAAACCCGTGA
 CATCACTGTTTTGGACCTGGGATGTGAAAAGGTGGAGATTTGCTCAAGTGGAGGAAGGGGAGAATTAGC
 AGGCTAGTGTGTGCTGATATCGCTGATATTTCTATGAAACAATGTCAACAGCGTTACGAAGACATGAGAT
 GTCGTCGCGATAATGAGCATATTTTTAGTGCAGAAATTAATACTGCTGACTGTTCAAAGGAATTTTGGT
 TGAAAAATTCGCTGACCCAGAAATGACTTTGATGTCTGCAGCTGCCAGTTTGTGTTGCCATTACTCCTTT
 GAGTCCCAGGTGCAGGCGGATACGATGCTTAGAAATGCCTGCGGGAGGCTTAACCCTGGCGGCTATTTTA
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 TTGGAAGGTGTTGGATGTCCCTGAATCTTGGTCTATTTCCATTGCTAACTGAAATGGCAAAGAAGT
 ATAATATGAACTAATCTACAAAAAACATTTTTGGAATTCTATGAAGAAAAGATTAATAAACATGAAAA
 CAAAATGCTCTTAAACGAATGCAGGCCCTGGAGCAATACCCTGCACATGAGAACTCTAAACTTGCCTCT
 GAAAAGGTGGGTGACTACACGCATGCAGCAGAGTACCTGAAGAAGAGCCAAGTGAGGTTACCTCTGGGAA
 CCTTAAGTAAGTCAGAATGGGAAGCTACAAGTATCTACTTGGTCTTTGCCTTTGAGAAGCAGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207439 representing NM_026440
 Red=Cloning site Green=Tags(s)

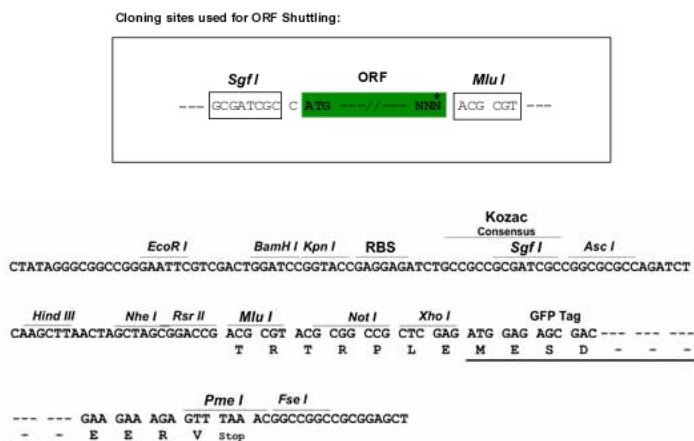
MEGSAKASVASDPEPPGGNEPAAASGQRLPENTPPCQQVDQPKMQKEFGEDLVEQNSSYVQDSPSKKRK
 LDVEIILEEKHSEDDGGSARKSKLERGDVSEDEPSLGRNLQTKRKLQPQDDEVPQKLQKLEEGHSSAVAA
 HYNELQEVGLAKRSQSRIFYLRNFNWIKSILIGEILEKVRQRKTRDITVLDLGGCKGGDLLKWRKGRIS
 RLVCAADIADISMKQCQRYEDMRCRRDNEHIFSAEFITADCSKELLVEKFRDPEMYFDVCSCQFACHYSF
 ESQVQADTMLRNACGRNLNPGGYFIGTTPNSFELIRRLEASETESFGNEIYTVKFQKKGNYPFLGCKYDFN
 LEGVVDVPEFLVYFPLLEMAKKYNMKLIYKKTFLFYEEKIKNNENKMLLKRMQALEQYPAHENSKLAS
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TRTRPLE - GFP Tag - V

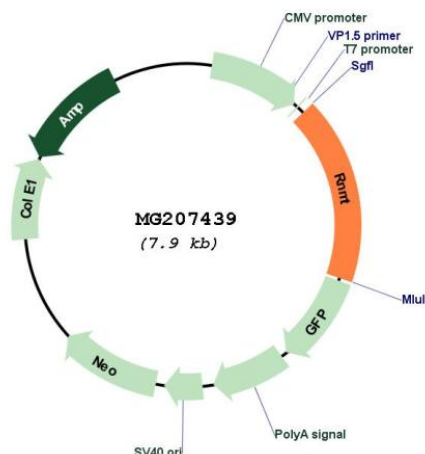
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_026440

ORF Size: 1395 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:	<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_026440.2</u> , <u>NP_080716.1</u>
RefSeq Size:	3929 bp
RefSeq ORF:	1398 bp
Locus ID:	67897
UniProt ID:	<u>Q9D0L8</u>
Cytogenetics:	18 E2
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]