

Product datasheet for MR217716

Rnmt (NM_001170953) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnmt (NM_001170953) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rnmt
Synonyms:	2610002P10Rik; AI848273; mKIAA0398; Rg7mt1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR217716 representing NM_001170953 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGGTTCCGCGAAAGCGTCAGTCGCTTCTGACCCAGAGTCCCCTCCAGGTGGTAATGAGCCCCTG
CTGCCTCTGGGCAGAGGCTTCCAGAAAATACTCCTCCATGCCAGCAAGTAGATCAGCCAAAAATGCAGAA
GGAGTTTGGGAGGATCTGTAGAGCAAAATTCGAGTTATGTGCAAGATTCTCCATCCAAGAAAAGGAAA
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TGGAAAGAGGTGATGTGTCGGAAGATGAGCCTTCCCTTGGTAGGCTTAACCAGACCAAGAGAAAAGTGA
GCCTCAGGACGATGAGGTACCGCAGAAGTTCAGAAAGTGGCCTGGCGAAGCGTAGTCAAAGTTCGATTTTTACCTAAGAACT
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CATCACTGTTTTGGACCTGGGATGTGAAAAGGTGGAGATTTGCTCAAGTGGAGGAAGGGGAGAATTAGC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >MR217716 representing NM_001170953
 Red=Cloning site Green=Tags(s)

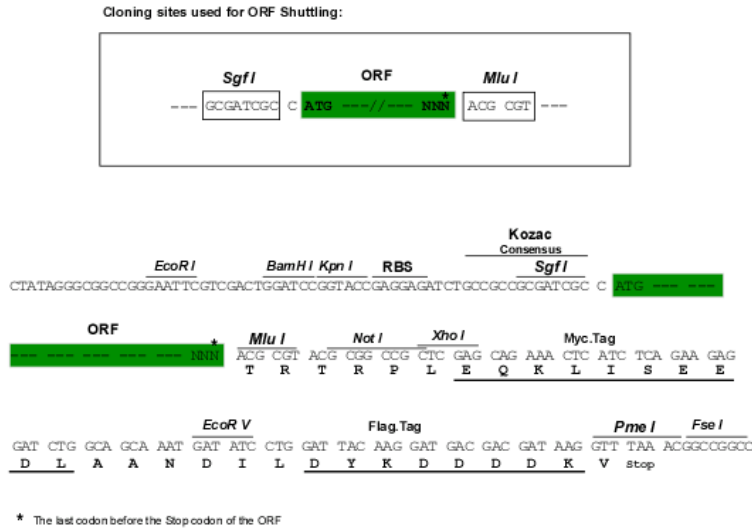
MEGSAKASVASDPEPPGGNEPAAASGQRLPENTPPCQQVDQPKMQKEFGEDLVEQNSSYVQDSPSKRRK
 LDVEIILEEKHSEDDGGS AKRSKLERGDVSEDEPSLGRNLNQTKRKLQPQDDEVPQKLQKLEEGHSSAVAA
 HYNELQEVGLAKRSQSRIFYLRNFNNWIKSILIGEILEKVRQRKTRDITVLDLGGCGKGGDLLKWRKGRIS
 RLVCAADIADISMKQCQQRYEDMRCRRDNEHIFSAEFITADCSKELLVEKFRDPEMYFDVCSQCQFACHYSF
 ESQVQADTMLRNACGRNLNPGGYF IGTTPNSEFLIMAKKYNMKLIYKKTFLFYEKIKNNENKMLLKRMQ
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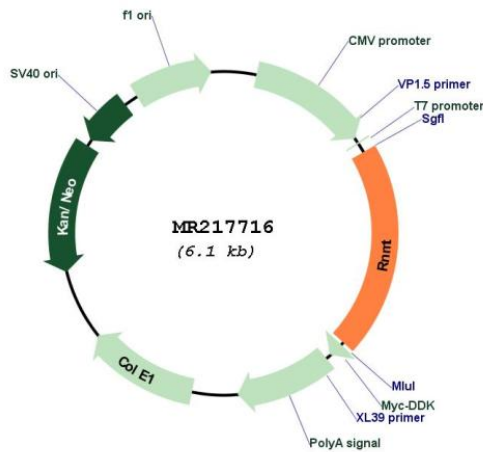
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001170953

ORF Size:	1230 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:	NM_001170953.1 , NP_001164424.1
RefSeq Size:	4853 bp
RefSeq ORF:	1233 bp
Locus ID:	67897
UniProt ID:	Q9D0L8
Cytogenetics:	18 E2
MW:	47.3 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]