

Product datasheet for **MR217040**

Prmt3 (NM_133740) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prmt3 (NM_133740) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prmt3
Synonyms:	2010005E20Rik; 2410018A17Rik; AL033309; Hrmt113
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR217040 representing NM_133740
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGTTTCGCTAGCGCGGGGAACGGCCGTGGCGCCGAGCTGGGGCCGGAGCCCCTGGAAGTGTGCGACA
 GCGGAGACGACGCGGGCTGGGAGGACGAGGACGCGGACACTGAGCCCAGCACGGCCGGCAGCACACACC
 CTGCCTGTTCTGTGACAGGTTGTTTCGCCTCTGCTGAGGAAACGTTTTTCACTGTAAAGTTGGAGCATCAA
 TTTAATATTGATAGTATGGTCCATAAACATGGACTTGAATTTTATGGATACATAAACTAAATAAATTTTA
 TTAGACTTAAGAATCCTACGTTGAATATGAATTCATATATAACCCTGTGCCTGGGAAAAAGATGA
 GTACCTGAAGCCAGTGTGGAAGATGACCTTTGCTTCAGTTTGTAGTGTAGAAGATCTTTATGAGCCTGTG
 TCTACTCCATTCTCATACCCCAATGGACTCAGTAAAGCGCATCTGTTGTTGAGAAGTTGAAGCACATGG
 AAGCGCGGGCGTGTCTGCTGAGGCTGCCTTGGCTCGGGCGCTGAGGATCTGCAGAAGATGAAACAATT
 TGCTCAGGACTTTGTGATGAACGTAGATGTCAGAACCTGCTCCTCCACGACGACCATTGCAGACCTGCAG
 GAGGATGAGGATGGCGTCTACTTCAGCTCCTATGGGCATTATGGGATACATGAAGAAATGCTAAAGGACA
 AAGTACGCACAGAAAGTTACAGAGATTTTATATACCAAAATCCACACATCTTCAAAGATAAGGTTGTTCT
 GGATGTTGGGTGTGAACTGGAATTTCTCTCCATGTTTGCTGCCAAAGTTGGGGCAAAGAAAGTATTGCA
 GTCGACCACTGTAATCCTCTACCAGGCTATGGATATCATAAGACTAAATAAACTTGAAGATACCATTTG
 TACTAATTAAGGAAAGATTGAAGAAGTGAAGTCTTCTGTGGAAAAGGTGGATGTTATTATATCAGAGTG
 GATGGGCTATTTTCTTTTGGAGTCGATGTTGGATTCTGTCTTTATGCTAAGAGTAAATACTTGGCA
 AAAGGGGGATCGGTCTACCCTGACATTTGACCATCAGCCTTGTAGCTGTGAGTGTGAGCAAGCAGC
 CCGATAGAATTGCCTTCTGGGATGACGCTATGGCTTCAACATGCCTGCATGAAGAAAGCAGTTATACC
 GGAAGCTGTTGTGGAAGTTGTGGATCACAGACTCTTATTTTTCAGACCCTTGTGATATCAAGCACATAGAC
 TGCCACACCACGCTATCTCAGACTTGGAGTTTCTTTCAGATTTTACCCTGAGAACCACAAAGACGGCCA
 TGTGCACGGCAGTTGCTGGTACTTTGATATATTTTGAAGAAGTGGCACAACAGGGTCTGTTCTCTC
 TACTGGCCCCAGAGCACCAAAACACACTGAAACAGACAGTATTTCTGCTGGAAAAACCTTTCCGGTT
 AAAGCAGGTGAAGCTCTGAAAGGAAAGATCACAGTTCACAAGAATAAGAAGGATCCTCGTCCCTCATTG
 TGACCCTGACTTTGAACAGTTCAACCCAGACTTACAGTCTCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR217040 representing NM_133740
 Red=Cloning site Green=Tags(s)

MCSLAAGNNGRAELGPEPELSDSGDDAGWEDEDADTEPAHGRQHTPCLFCDRLFASAEETFSHCKLEHQ
 FNIDSMVHKHGLEFYGYIKLINFIRLKNPTVEYMNSIYNPVPWEKDEYLPVLEDDLLLQFDVEDLYEPV
 STPFSSYPNGLSESASVVEKLVKHEARALSAEALARAREDLQMKQFAQDFVMNVDVVRTCSSTTTIADLQ
 EDEDGVYFSSYGHYIHEEMLKDKVRESYRDFIYQNPFIKDKVVLVGCCTGILSMFAAKVGAKKVIA
 VDQSEILYQAMDIIRLNKLEDITVLIKGIIEVSLPVEKVDVIISEWMGYFLLFESMLDSVLYAKSKYLA
 KGGSVYPDICTISLVAVSDVSKHADRIAFWDDVYGFNMSCMKKAVIPEAVVEVDHKTLSIDPCDIKHID
 CHTTISDLEFSSDFLRTTKTAMCTAVAGYFDIYFEKNCHNRVVFSTGPQSTKTHWKQTVFLLEKPPFPV
 KAGEALKGKITVHKNKDPRLIVTLTLNSSTQTYSLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

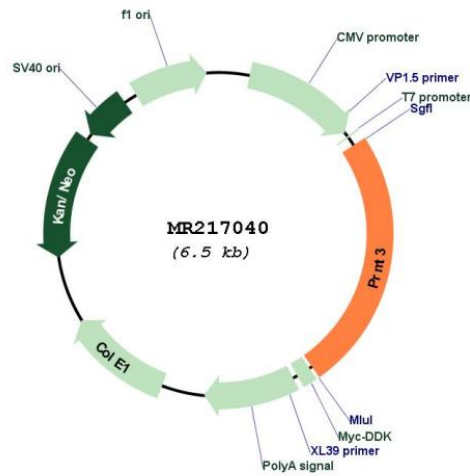
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_133740
ORF Size:	1584 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_133740.2 , NP_598501.1
RefSeq Size:	2495 bp
RefSeq ORF:	1587 bp
Locus ID:	71974
UniProt ID:	Q922H1
Cytogenetics:	7 B4
MW:	59.9 kDa
Gene Summary:	Methylates (mono and asymmetric dimethylation) the guanidino nitrogens of arginyl residues in some proteins.[UniProtKB/Swiss-Prot Function]