

Product datasheet for **RR202969**

Prmt3 (NM_053557) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prmt3 (NM_053557) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prmt3
Synonyms:	Hrmt1I3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR202969 representing NM_053557
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTGTTTCGTCGGCGCGGGGAACGGACAAGGCGCGGAGCTGGGGCCGGAGCCCTTGAGACTGTCGGACA
 GCGGAGACGACGCGGGCTGGGAGGACGAGGACGCGGACGCTGAGCCCGCACAGGGCCGGCAGCACACACC
 CTGCCTGTTCTGTGACAGGCTCTTCAGGCTGCTGAAGAAACGTTTTTCACTGTAAAGTTGGAGCATCAA
 TTTAATATTGATGGTATGGTCCACAAACATGGACTGGAATTTTATGGATACATAAACTAATAAATTTTA
 TTAGACTTAAGAATCCTACTGTTGAGTACATGAATCCATATAACAACCTGTGCCTGGGATAAAGATGA
 GTACCTGAAGCCAGTGTGGAAGATGATCTTTGCTTCAGTTTGTAGTGAAGATCTTTATGAGCCAGTG
 TCTGCTCCCTTACATACCCCAATGGACTCAGCGAAAACACATCTGCTGTTGAGAAATTAAGCTCATGG
 AGGCCCGGGCGTGTCTGCTGAGGCGGCTCTGGCTCGGGCGCTGAGGATCTGCAGAAGATGAAACAATT
 TGCTCAGGACTTTGTGATGAACGTAGATGTCAGAACCTGCTCCTCCAGACTACCATTGCAGACCTGCAG
 GAGGACGAGGATGGCGTCTACTTCAGCTCCTATGGGCATTATGGGATACATGAAGAAATGCTAAAGGACA
 AAGTGCACAGAAAGCTACAGAGATTTTATATACCAAAATCCACACATCTTCAAAGATAAGGTTGTTCT
 GGATGTTGGCTGTGGAATGGAATTTCTCTCCATGTTTGGCTGCCAAAGCTGGGGCAAAGAAGGTGATTGCA
 GTTGACCAGTCTGAAATCCTCTACCAGGCTATGGATATCATAAGGCTAAATAAATTGAAGATACCATTTG
 TACTAATTAAGGAAAGATCGAAGAAGTGAAGTCTTCTGTGAAAAGGTGGATGTTATTATATCAGAGTG
 GATGGGCTATTTCTTCTTTTGGAGTCGATGTTGGATTCTGTCTTTATGCCAAGAGCAAATACTTGGCA
 AAAGGGGGATCGGTCTACCCTGACATTTGCACCATCAGCCTTGTGGCCGTGAGTGACGTGAGCAAACACG
 CCGATAGAATTGCCTTCTGGGATGACGCTATGGCTTCAACATGCTCCTGCATGAAGAAAGCAGTTATACC
 AGAAGCTGTTGTGGAAGTTGTAGATCACAAAGACTCTCATTTTCAGACCCTTGTGATATCAAGCATATAGAT
 TGCCACACCACATCTATCTCAGACTTGGAGTTTCTTTCAGACTTTACCCTGAGAACCACAAAGACAGCCA
 TGTGCACGGCAGTTGCTGGTACTTTGATATATATTTTGAAGAAGTGTCAACAGGGTTGATTCTC
 TACTGGCCCCAGAGCACAAAACACACTGAAACAGACAATATTTCTTGGAAAAGCCTTTTCCCGTT
 AAAGCAGTGAAGCCTTAAAGGAAAGATCACAGTTCACAAGAACAAGAAGGATCCTCGTCCCTCATTG
 TGACCCTGACCTGAACAGTTCAACCCAGACTTACAGTCTCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR202969 representing NM_053557
 Red=Cloning site Green=Tags(s)

MCSLAAGNGQGAELGPEPELSDSGDDAGWEDEDADAEP AQGRQHTPCLFCDR LFRSAEETF SHCKLEHQ
 FNIDGMVHKHGLEFYGYIKLINFIRLKNPTVEYMNSIYNPVPWDKDEYLKPVLEDDLLLQFDVEDLYEPV
 SAPFTYPNGLSENTSAVEKLLMEARALSAEALARAREDLQMKQFAQDFVMNVDVRTCSSTTTIADLQ
 EDEDGVYFSSYGHYIHEEMLKDKVRTESYRDFIYQNP HIFKDKVVL DVGCGTGILSMFAAKAGAKKVIA
 VDQSEILYQAMDIIRLNKLEDITVLIKGIEEVSLPVEKVDV IISEWMGYFLLFESMLDSVLYAKSKYLA
 KGGSVYPDICTISLVAVSDVSKHADRIAFWDDVYGFNMSCMKAVIPEAVVEVDHKT LISDPCDIKHID
 CHTTISDLEFSSDFLTRTTKTAMCTAVAGYFDIYFEKNCHNRVVFSTGPQSTKTHWKQIFLLEKPPFPV
 KAGEALKGKITVHKNKDP RSLIVTLTLNSSTQTYSLQ

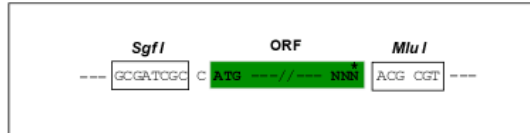
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

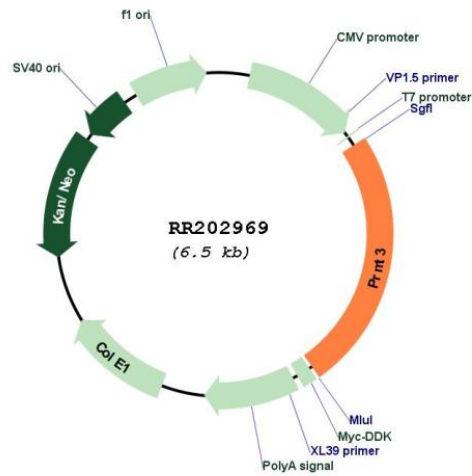
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_053557
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_053557.1 , NP_446009.1
RefSeq Size:	2474 bp
RefSeq ORF:	1587 bp
Locus ID:	89820
UniProt ID:	O70467
Cytogenetics:	1q22
MW:	59.4 kDa
Gene Summary:	catalyzes the asymmetric NG, NG-dimethylation of arginine residues [RGD, Feb 2006]