

## Product datasheet for **RR217254**

### Prmt9 (NM\_001191599) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prmt9 (NM_001191599) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prmt9
Synonyms:	Prmt10; RGD1306157
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide  
Sequence:

>RR217254 representing NM\_001191599  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCAACTCGAGGCCAGGTCCCGCCGAGCGCCGGGGTGGCGCAGGTACGGCCGGCCGGGACCGGC  
 TGGTGGCACAGTCTTGACAGCGCTGAGCACTGTCTGGGCGACCAGGACTTCGGGACTGCCTACGCCCA  
 TTACCTTCTGGTCTCAGCTTGGCGCCAGAACTCAAAGAGGACGTGAAGGAAACTTTCCAGTATACACTT  
 TTCAAGTGGGCTGAAGAGCTTCATGCACTGAATCGAATACAAGACTTACTTGGTTGCTACGAGCAGGCCCT  
 TAGAGCTGTTTCTGATGATGAAGTATTTGCAACAGTATGGGAGAGCATCTGTTCAGAATGGGCTTTTCG  
 AGATGAGGCAGCTGGGTATTTTCATAAAGCAGTGAAGCTAAACCCTGATTTCAACGATGCAAAGGAGAAC  
 TTCTATCGTGTGGCAAAGTGGTGGTAGAGCGCTGGCACTTCATCATGCTTAATGACACCAAGAGAAATG  
 AGATTTATAACCGGCAATCCAGAAGGCAGTCCGGTGGGCTCCAAAACAGTGTGGACATTGGCGCCGG  
 CACTGGGATACTGAGCATGTTTCCAAAAAAGCTGGTGCACACTCAGTATACGCCTGTGAGTTATCCAAG  
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 TGAAGTCACTTGATCTAGAAATACCAAAGCACATTCTGAAAGAGTGTCCCTAGTTGTAACAGAAACTGT  
 CGATGCAGGTGTGTTGGAGAAGGAATTGTGGAGAGTTTAATTCATGCATGGGAGCATTTACTTCTGCAA  
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 CCATACACAACGGAAAAGATGAGTGGAAATCCCTGGAGGATACCGGCTTTGACAGAATGCTTTCAGATTA  
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 AGTTTGTCCACAAGTCCCAGTGGAGAGACCTGTTGGGAACAGGCTGTTTATCCAGTACAGGCACTTGAAG  
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 CTCTCTCTGGGAAATGAGGCTGAGCTCTGTAGTGCCCTGGCTAACCTTCCAGACCAGTACAGCAGAAAGCTC  
 TGGAGCAGACCTGTGTGTAGAGCCACAGAGATCGCTTGTCTAATAACATTCCATATCATGAAGGCTT  
 CAGGACAGCAATGAGGAAGTATTGTCTTCACTGGCCCCAGAGACGCCGAGCCAGCCATGGAAGCTCAC  
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 CTGAAGGCTTCTCTTTTGCCTATACTTGTGGAACCCTTGGTCAAGTTTCCAGCCCTACAGTTCTGTGGA  
 GAAAGACCAGCACTGTATTGCTTTGGACCTCATATCTGAAGCCAATCACTTCCCTAAGGAAAACACTTGAG  
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 CAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR217254 representing NM\_001191599  
Red=Cloning site Green=Tags(s)

MPNSRPRRRSAGGGAGTAGRDRLVAQSLQSAEHCLGDQDFGTAYAHYLLVLSLAPELKEDVKETFQYTL  
FKWAEELHALNRIQDLLGCYEQALELFPDDEVICNSMGEHLFRMGFRDEAAGYFHKAVKLNPDFNDAKEN  
FYRVANWLVERWHFIMLNDTKRNEYNAAIQKAVRLGSKTVLDIGAGTGILSMFAKKAGAHSVYACELSK  
TMYELACDVVAANKMEDGIRLLHMKSLDLEIPKHIPERVSLVVTETVDAGVFGEGIVESLIHAWHELLLQ  
PQTKGESGSWGKYGKVIPASAVISGMAVECAEIRRHRVSAKDIAGIHLPTNVRFQSPAYASVDPEETVE  
PYTTEKMSGIPGGYRPLTECFQIMKVDFNNLQELKSLATRKPHLSVPAVKEGTLDAIMVWVFLQLDDEH  
SLSTSPSEETCWEQAVYPVQALEDYWIQPGDQVTMEASCHDCYLRIQGISILHLEHEMEVIKSFTKSKDL  
LSLGNEAELCSALANLQTSRPEALEQTCVLEPTEIALLNNIPYHEGFRTAMRKVLSLAPETPSQPMEAH  
CQDMETNLESAPSTSDPFYVLDVSEGFSLLPILAGTLGQVQPYSSVEKDQHICALDLISEANHFPKETLE  
FWLRHIEDEAAVLQRPKSDKLWSIIILDVIEPSGLIQEIMEKAAISRCLLQSGGKIFPQYVLMFGMLVE  
SQTLVEESAVQGTHTLGLNIAPFINQFQVPIRVCLDLSSLPCIPLSQPVELLRDLMTPLYLNTSNREVK  
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Q

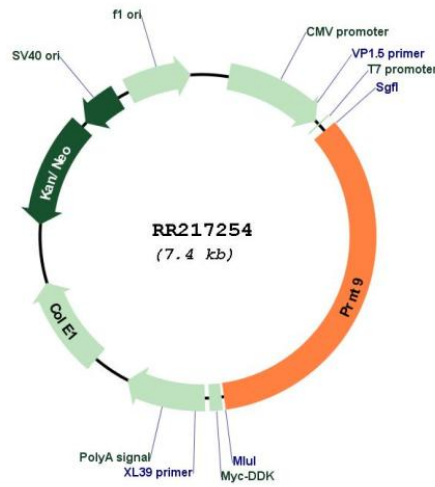
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



<b>ACCN:</b>	NM_001191599
<b>ORF Size:</b>	2523 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001191599.1</a> , <a href="#">NP_001178528.1</a>
<b>RefSeq Size:</b>	2742 bp
<b>RefSeq ORF:</b>	2526 bp
<b>Locus ID:</b>	291947
<b>Cytogenetics:</b>	19q11
<b>MW:</b>	93.9 kDa