

## Product datasheet for **MC222067**

### Prmt9 (NM\_001081240) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prmt9 (NM_001081240) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Prmt9
Synonyms:	A1931714; Prmt10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222067 representing NM\_001081240  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCAACTCGAGGCCAGGCCCGCCGGGGCGCCGGGGTGGCGCAGGTGCGGCCGCCGGGACCGGC  
 TGGTGGCACGGTCTTGCAGAGTGTGAGCACTGTCTAGGTGACCAGACTTCGGCACTGCTTATGCCCA  
 TTACCTTCTGGTCTCAGCCTGGCGCCAGAGCTAAAAGACGACGTGAAGGAAACTTTTCAGTATACTT  
 TTCAAGTGGGCTGAAGAGCTTCATGCACTGAGCCGAATACAAGACTTACTTGGTTGCTATGAGCAGGCC  
 TGGAGCTGTTTCTGATGATGAAGTATTTGCAACAGTATGGGAGACACCTCTCAGAATGGGCTTTCCG  
 AGATGAGGCAGCTGGCTATTTTCAAAAGCAGTGAAGCTAAACCCTGATTTCAATGATGCAAAGGAGAAC  
 TTTTACCCGCTAGCAAAGCTGGCTGGTGGAGCGCTGGCACTTCATCATGCTTAATGACACCAGGAGAAACA  
 TGGTTTATAATGCAGCAATCCAGAAGCCAGTGTCCCTGGGCTCCAGAACCCTTGGATATCGGCACGGG  
 GACTGGAATACTGAGCATGTTTGTAAAAAGCTGGCGACAATCAGTATATGCCTGTGAATTATCCAAG  
 ACCATGTATGAACTCGCCTGTGATGTAGTGGCTGCAAACAAGATGGAAAATGGGATAAAGCTTCTACATA  
 TGAAGTCACTTGATATAGAAATCCGAAGCACATTCTGAAAGAGTGTCCCTAGTTGTAACAGAACTGT  
 CGATGCAGGTGATTTGGAGAAGGAATTGTGGAGAGTTTAATTCATGCATGGGAACATTTACTTCTGCAA  
 CCAAAGACCAAAGAAGAAAATGGAAAATTCGGGGAAGTATGGGAAAGTATACCAGCCGGTGTGTTATAT  
 TTGGGATGGCAGTCGAGTGTGCAGAGATACGAAGGCATCATAGGGTTGGTCTAAGGACATTGCTGGTAT  
 ACATTTACCAACAAATGTGAAATTTAGAGCCAGCCTATACTTCTGTTGATACAGAAGAAACAGTTGAA  
 CCCTACACAAGTAAAAGATGAGTGGCATCCCCGGAGGATACCTGCCTTGACGGAGTGTCTTCAGATTA  
 TGAAGTTGATTTCAATAATCTTCAGAAATTAAGAAAGTCTTGAACCTAAGAAGCCACACTCTCTAATGT  
 TCCTGCTATTAAGAAGCGTGTCTAGATGCTATTATGGTTTGGTTTGTCTCCAGCTTGATGATGAATAC  
 AGCTTGTCCACAAGTCTAGTGAAGAACTGTTGGGAACAGGCTGTTTATCCAGTACAGGCCCTTGAAG  
 ACTACTGCATACAGCCTGGTGAAGGAGTACAATGGAGGCATCTTGTACGATTGTTACCTAAGAATCCA  
 GGGGATCAGTATCTTGCATTTGGAACATGAAATGGAAAGTATGAAAGGTTTACCAAGAGTAAAGACTTG  
 CTTTCTCTAGGAAATGAAGCTGAACTCTGTAGTGTCTGGCTAACCTCAGACCAGTAGACCAGAAGCCC  
 TGGAGCAGACTTGTATGTTAGAGCCACAGAGATTGCTTTGCTTAATAACATTCCGTATCATGAAGGCTT  
 TAAGACAGCGATGAGGAAGGTGTTGTCTCACTGGCCCCAGAGCTGCTGTGGCAGCCATGGATACTCAC  
 TGTGAGTACATGGAGATGAACTCTGGGAGTGGACAGAGTGTGCTGCACCAAGCACCGCTGACCCTTCT  
 ATGTGCTCGATGTCTGAAGGCTTCTCTTTTGCCTATACTTCCCGGAACACTTGGTCATGTTAAACC  
 CTACAGTTCAGTGGAGAAAGACCAGCATTGTATCGCTTTGGACCTCATAGCTGAAGCCAACCACTCCCT  
 AAGGAAACACTTGAGTTTTGGCTGCGACATATAGAGGATGAAGCTGCTGTGTTGCAAAGGCCAAATCAG  
 ACAAATTTGGGAGCATAATTATACTAGATGTCACTGAGCCATCTGGGCTTATCCAGCAGGAGCTGATGGA  
 AAAGGCTGCAATATCCAGATGTTTATTGCAGTCTGGAGGCAAGATCTCCACAGTATGTGCTGATGTTT  
 GGGATGCTTGTGGAGTCCCAGACGCTGGTAGAAGAGAGTCCGGTCAAGGGACAGAACAATACTCTTGGGC  
 TAAACATAGCACCTTTTATAACCAAGTTTCAGGTGCCTATCCGGGTATGTCTGGATTTATCTTCTTGGC  
 ATGTGTCCTTTAAGCCAACCAAGTGGAGCTGTTGAGGTTGGATCTGATGACTCCATATTTGAACACTTCC  
 AATAAAGAAGTAAAGGTCGGTGTGTGCAGTCTGGTTCGAGTGAAGGCTGTTCCATTTGGTTTCATCTGT  
 GCCTGGATGACGAGGTGAGGCTGGACACCTCAGGTGAAGCCTCCCACTGGAAACAAGCTGCAAGTGTCT  
 GGATAATCCCATCCAAGTACAAGCGGGAGAGGAGCTTGTGCTCAGCGTTGAGCATCACAAAAGCAACGTC  
 AGCATCGCAGTGAAGCC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_001081240  
 Insert Size: 2541 bp

<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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_001081240.3</a> , <a href="#">NP_001074709.1</a>
<b>RefSeq Size:</b>	2781 bp
<b>RefSeq ORF:</b>	2541 bp
<b>Locus ID:</b>	102182
<b>UniProt ID:</b>	<a href="#">Q3U3W5</a>
<b>Cytogenetics:</b>	8 C1
<b>Gene Summary:</b>	<p>Arginine methyltransferase that can both catalyze the formation of omega-N monomethylarginine (MMA) and symmetrical dimethylarginine (sDMA). Specifically mediates the symmetrical dimethylation of SF3B2. Involved in the regulation of alternative splicing of pre-mRNA.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>