

## Product datasheet for **MC205387**

### Prmt5 (NM\_013768) Mouse Untagged Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                    |
| Product Name:             | Prmt5 (NM_013768) Mouse Untagged Clone |
| Tag:                      | Tag Free                               |
| Symbol:                   | Prmt5                                  |
| Synonyms:                 | Jbp; Jbp1; Skb; Skb1                   |
| Mammalian Cell Selection: | Neomycin                               |
| Vector:                   | PCMV6-Kan/Neo (PCMV6KN)                |
| E. coli Selection:        | Kanamycin (25 ug/mL)                   |



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**Fully Sequenced ORF:** >BC023905  
 CCACGCGTCCGATTGGACTCTAGTATCAAGGAATCCCGGCGTGGGCCGCGAGGGAAAAGATGGCGGCG  
 ATGGCAGTCGGAGGTGCTGGTGGCAGCCGCGTGTCCAGCGGGAGGGACCTGAATTGCGTCCCCGAAATAG  
 CTGACACACTGGGTGCTGTGGCCAAGCAGGGGTTTGTATTCCTCTGCATGCCTGTCTCCACCCGCGTTT  
 CAAGAGGGAGTTCATTACGGAACCTGCTAAGAATCGGCCCTGGCCCCAGACACGATCAGACCTACTGCTG  
 TCAGGAAGGGACTGGAATACGCTAATTGTGGGAAAGCTTCTCCATGGATTCATCCAGACTCAAAAAGTGG  
 AGAAGATCCGAAGGAACCTGAAGCGGCTATGTTACAGGAGCTGAATTTGGAGCATATCTGGGTCTTCC  
 AGCTTTTCTATTGCCCTTAATCAGGAAGATAACACGAATCTGGCCAGAGTTCTGACCAACCACATCCAC  
 ACTGGCCACCACTCTCCATGTTCTGGATGAGGGTACCCTTGGTGGCACCAGAGGACCTGAGAGATGATG  
 TAATTGCGAATGCCCGACTACACACACAGAGGAGTACAGTGGAGAAGAGAAGACATGGATGTGGTGGCA  
 TAACCTTCGGACTCTGTGTGACTATAGCAAGAGAATTGCAGTAGCTCTTAAAATTGGAGCTGACCTCCCG  
 TCTAATCACGTCATTGACCGCTGGCTTGGAGAGCCCATCAAAGCAGCCATTCTCCCCACCAGCATTTTCC  
 TAACCAACAAGAAAGGATTTCTGTTCTTCTAAGGTGCAGCAGAGGCTGATCTCCGGCTCCTCAAGTT  
 GGAAGTGCAGTTTATCATCACGGGAACCAACCACCACTCAGAGAAGGAGTTCTGTTCTACCTCCAGTAC  
 TTGGAATACTTAAGCCAAAATCGCCCTCCACCAATGCCTATGAGCTCTTTGCCAAAGGCTATGAAGACT  
 ATCTGCAGTCCCCACTCCAGCCTCTGATGGACAATCTGGAATCTCAGACATATGAAGTGTGGAAAAGGA  
 CCCCATCAAATACTCTCAATATCAGCAGGCTATTTATAAATGTTTGTAGACCGAGTACCAGAAGAGAA  
 AAGGAGACCAATGTCCAGGTAATATGGTGTGGTGCAGGCCGGGGTCTTGTGAATGCGTCTCTTC  
 GGGCAGCCAAACAGGCCGAGCGCGGATCAGGCTGTATGCTGTGGAGAAGAACCCCAATGCTGTGGTGC  
 GCTAGAGAAGTGGCAGTTTGAAGAATGGGGGAGCCAGGTGACAGTTGTCTCATCAGACATGCGGGAATGG  
 GTGGCTCCGGAGAAAGCTGACATTATTGTCAAGTGTGAGCTTCTGGGTTCTTTGCCGACAACGAGCTGCAC  
 CTGAGTGTCTGGATGGAGCACAGCACTTCTGAAAGATGATGGCGTGAGCATCCCTGGAGAATACACCTC  
 CTTCTGGCTCCCATTTCTTCTTAAGCTGTACAACGAGTCCGTGCCTGTCCGGAAAAGGACCGCGAT  
 CCTGAGGCACAGTTTGAAGTGCCTTATGTGGTTCGGTTGACAACCTCCACCAGCTCTCTGCTCCTAAGC  
 CCTGCTTTACCTCAGCCATCCCAACCGAGATCCTATGATTGACAACAACCGCTACTGTACCCTGGAGTT  
 TCCTGTGGAGGTGAACACGGTGTCTCATGGCTTCGAGGCTACTTTGAGACTGTGCTTTACCGGGACATC  
 ACTCTGAGTATCCGCCAGAGACTCACTCTCCTGGAATGTTCTCATGGTTCCTTCTTCTCCCATTA  
 AGCAGCCCATCACGGTGCACGAAGGCCAGAATCTGTGTGCGTTTCTGGCGATGCAGCAATCCAAGAA  
 AGTGTGGTACGAGTGGCGGTGACGGCCCCGTGTTCTTCTATTACAACCTACCGGCCCTCTAT  
 ACCATTGGCCTTAGCCCTGCACACAGTGTCAAAGCCTTGAAGCAGCTCTGAGTTCTTCTCTACAGCA  
 CAGAAGGTGTAGAATCTGCTGGTTCAGTTCTCAGTGAGACCCTCAGCCGCCAGAGAGGAGCGATTCC  
 GGCTGCTTCTACCTAATGTCATGGTGGCCAACGGGTAGGCATTCCCGACTGCCAGGCATGGTGGTGC  
 ATACTCTTTATCCAGCACTCCAGAGGCAGAGGCAGAGGCAGATGGATCTCTTAAAGTTCAAGGCTAGCC  
 CGGTCTACCTAGCAAGTTTACAGCCACCTAGGGCTACATAGTGAGACCCTGTCTCCAAAAAGAAAAAGAA  
 ACGAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_013768

**Insert Size:** 1914 bp

**OTI Disclaimer:** 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).

**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:**

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:** [BC023905](#), [AAH23905](#)

**RefSeq Size:** 2328 bp

**RefSeq ORF:** 1914 bp

**Locus ID:** 27374

**UniProt ID:** [Q8CIG8](#)

**Cytogenetics:** 14 C2

**Gene Summary:** This gene encodes an enzyme that belongs to the methyltransferase family. The encoded protein catalyzes the transfer of methyl groups to the amino acid arginine, in target proteins that include histones, transcriptional elongation factors and the tumor suppressor p53. This gene plays a role in several cellular processes, including transcriptional regulation and the assembly of small nuclear ribonucleoproteins. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2015]  
Transcript Variant: This variant (1) encodes the longest isoform (1).