

Product datasheet for **RC239021**

PRMT5 (NM_001282955) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRMT5 (NM_001282955) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PRMT5
Synonyms:	HRMT1L5; HSL7; IBP72; JBP1; SKB1; SKB1Hs
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC239021 representing NM_001282955
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCGATGGCGGTGCGGGGTGCTGGTGGGAGCCCGTGTCCAGCGGAGGGACCTGAATTGCGTCC
 CCGAAATAGCTGACACACTAGGGGCTGTGGCCAAGCAGGGGTTGATTTCTCTGCATGCCTGTCTTCCA
 TCCGCGTTTCAAGAGGGAGTTTCATTTCAGGAACCTGCTAAGAATCGGCCCGGTCCCCAGACACGATCAGAC
 CTAAGTGTGTCAGGAAGGGCTTTCTGCTGCCCTTAATCAGGAAGATAACACCAACTGGCCAGAGTTT
 TGACCAACCACATCCACACTGGCCATCACTCTTCCATGTTCTGGATGCGGGTACCCTTGGTGGCACCAGA
 GGACCTGAGAGATGATATAATTGAGAATGCACCAACTACACACACAGAGGAGTACAGTGGGGAGGAGAAA
 ACGTGGATGTGGTGGCACAACCTCCGGACTTTGTGTGACTATAGTAAGAGGATTGCAGTGGCTCTTGAAA
 TTGGGGCTGACCTCCCATCTAATCATGTCATTGATCGCTGGCTTGGGGAGCCCATCAAAGCAGCCATTCT
 CCCCCTAGCATTCTTCTGACCAATAAGAAGGGATTTCTGTTCTTTCTAAGATGCACCAGAGGCTCATC
 TTCCGGCTCCTCAAGTTGGAGGTGAGTTCATCATCACAGGCACCAACCACACTCAGAGAAGGAGTTCT
 GCTCCTACCTCCAATACCTGGAATACTTAAGCCAGAACCCTCCTCCACCTAATGCCTATGAACTCTTTGC
 CAAGGGCTATGAAGACTATCTGCAGTCCCCGCTTCCAGCCACTGATGGACAATCTGGAATCTCAGACATAT
 GAAGTGTTTGAAAAGGACCCCATCAAATACTCTCAGTACCAGCAGGCCATCTATAAATGTCTGCTAGACC
 GAGTACCAGAAGAGGAGAAGGATACCAATGTCCAGGACTGATGGTGTGGGAGCAGGACGGGGACCCCT
 GGTGAACGCTTCCCTGCGGGCAGCCAAGCAGGCCGACCGCGGATAAAGCTGTATGCTGTGGAGAAAAAC
 CCAAATGCCGTGGTACGCTAGAGAAGTGGCAGTTTGAAGAATGGGAAGCCAAGTGACCGTAGTCTCAT
 CAGACATGAGGGAATGGGTGGCTCCAGAGAAAGCAGACATCATTGTCAGTGGCTTCTGGCTCATTGTC
 TGACAATGAATTGTCGCTGAGTGCCTGGATGGAGCCAGCAGTCTCTAAAAGATGATGGTGTGAGCATC
 CCCGGGGAGTACACTTCTTTCTGGCTCCCATCTCTTCTCCAAGCTGTACAATGAGGTCCGAGCCTGTA
 GGGAGAAGGACCGTGACCCTGAGGCCAGTTTGGATGCCTTATGTGGTACGGCTGCACAACCTCCACCA
 GCTCTCTGCACCCAGCCCTGTTTACCTTCCAGCCATCCCAACAGAGATCCTATGATTGACAACAACCGC
 TATTGCACCTTGGAAATTTCTGTGGAGGTGAACACAGTACTACATGGCTTTCGCGGCTACTTTGAGACTG
 TGCTTTATCAGGACATCACTCTGAGTATCCGTCCAGAGACTCACTCTCCTGGGATGTTCTCATGGTTTCC
 CATCTCTTCCCTAATAAGCAGCCATAACGGTACGTGAAGGCCAAACCATCTGTGTGCGTTTCTGGCGA
 TGCAGCAATTCCAAGAAGGTGTGGTATGAGTGGGCTGTGACAGCACCAGTCTGTTCTGCTATTCATAACC
 CCACAGGCCGCTCATATACCATTGGCCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239021 representing NM_001282955
 Red=Cloning site Green=Tags(s)

MAAMAVGGAGGSRVSSGRDLNCVPEIADTLGAVAKQGFDFLMPVHFHPRFKREFIQEPAKNRPGPQTRSD
 LLLSGRAFLPLNQEDNTNLRVLTNHIHTGHSSMFWMRVPLVAPEDLRDDIENAPTHTEEYSGEEK
 TWMWWHNFRTLCDYSKRIAVALEIGADLPSNHVIDRWLGEPIKAAILPTSIFLTNKKGFPVLSKMHQRLI
 FRLLKLEVFQIITGTNNHSEKEFCSYLQYLEYLSQNRPPPNAYELFAKGYEDYLQSPQLPLMDNLESQTY
 EVFEKDPKYSQYQQAIIYKCLLDRVPEEEKDNTVQVLMVLGAGRPLVNASLRAAKQADRRIKLYAVEKN
 PNAVVTLENWQFEWGSQVTVVSSDMREWVAPEKADIIVSELLGSFADNELSPECLDGAQHFLKDDGVSI
 PGEYTSFLAPISSKLYNEVRACREKDRDPEAQFEMPYVRLHNFHQLSAPQPCFTF SHPNRDP MIDNNR
 YCTLEFPVEVNTVLHGFAGYFETVLYQDITLSIRPETHSPGMFSWFPILFPKQPIVTRGQITCVRFWR
 CSNSKKVWYEWAVTAPVCSAIHNPTGRSYTIGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja3467_e07.zip

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: [NM_001282955.2](#)

RefSeq Size: 2409 bp

RefSeq ORF: 1782 bp

Locus ID: 10419

UniProt ID: [O14744](#)

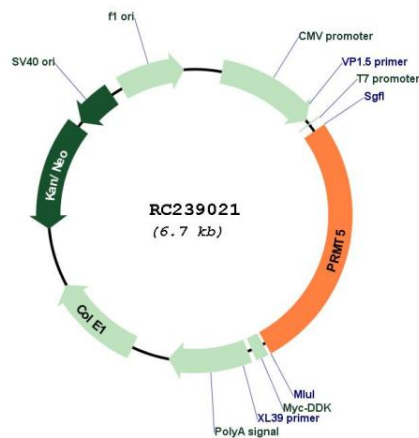
Cytogenetics: 14q11.2

Protein Families: Stem cell - Pluripotency

MW: 67.7 kDa

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. A pseudogene of this gene has been defined on chromosome 4. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2015]

Product images:



Circular map for RC239021