

Product datasheet for **SC310748**

PRMT5 (NM_001039619) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRMT5 (NM_001039619) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRMT5
Synonyms:	HRMT1L5; HSL7; IBP72; JBP1; SKB1; SKB1Hs
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001039619 edited
 ATGCGGGGTCCGAACCTCGGGGACGGAGAAGGGCAGACTAGTCATCCCGGAGAAGCAGGGG
 TTTGATTTCTCTGCATGCCTGTCTTCCATCCGCGTTTCAAGAGGGAGTTCATTCAGGAA
 CCTGCTAAGAATCGGCCCGGTCCCCAGACACGATCAGACCTACTGCTGTCAGGAAGGGAC
 TGGAAATACGCTAATTGTGGGAAAGCTTTCTCCATGGATTCTGTCAGACTCAAAGTGGAG
 AAGATTCGAGGAACCTCGAGGGGCCATGTTACAGGAGCTGAATTTTGGTGCATATTTG
 GGTCTCCAGCTTTCCTGCTGCCCTTAATCAGGAAGATAACACCAACCTGGCCAGAGTT
 TTGACCAACCACATCCACACTGGCCATCACTCTTCCATGTTCTGGATGCGGGTACCCTTG
 GTGGCACCAGAGGACCTGAGAGATGATATAAATTGAGAATGCACCAACTACACACACAGAG
 GAGTACAGTGGGGAGGAGAAAACGTGGATGTGGTGGCACAACCTCCGGACTTTGTGTGAC
 TATAGTAAGAGGATTGCAGTGGCTCTTGAATTGGGGCTGACCTCCCATCTAATCATGTC
 ATTGATCGCTGGCTTGGGGAGCCCATCAAAGCAGCCATTCTCCCACTAGCATTTCCTG
 ACCAATAAGAAGGGATTTCTGTCTTTCTAAGATGCACCAGAGGCTCATCTTCCGGCTC
 CTCAGTTGGAGGTGCAGTTCATCATCACAGGCACCAACCACCACTCAGAGAAGGAGTTC
 TGCTCCTACCTCCAATACCTGGAATACTTAAGCCAGAACCGTCTCCACCTAATGCCTAT
 GAACTCTTTGCCAAGGGCTATGAAGACTATCTGCAGTCCCGCTTCAGCCACTGATGGAC
 AATCTGGAATCTCAGACATATGAAGTGTGTTGAAAAGGACCCCATCAAATCTCTCAGTAC
 CAGCAGGCCATCTATAAATGTCTGCTAGACCGAGTACCAGAAGAGGAGAAGGATACCAAT
 GTCCAGGTACTGATGGTGTGGGAGCAGGACGGGGACCCCTGGTGAACGCTTCCCTGCGG
 GCAGCCAAGCAGGCCGACCGGGGATAAAGCTGTATGCTGTGGAGAAAAACCAAATGCC
 GTGGTGCAGCTAGAGAACTGGCAGTTTGAAGAATGGGGAAGCCAAGTGACCGTAGTCTCA
 TCAGACATGAGGGAATGGGTGGCTCCAGAGAAAGCAGACATCATTGTGAGTGGCTTCTG
 GGCTCATTTGCTGACAATGAATTTGCTGCCTGAGTGCCTGGATGGAGCCCACTTCCTA
 AAAGATGATGGTGTGAGCATCCCCGGGGAGTACACTTCTTTCTGGCTCCCATCTCTTCC
 TCCAAGCTGTACAATGAGGTCCGAGCCTGTAGGGAGAAGGACCGTGACCTGAGGCCAG
 TTTGAGATGCCTTATGTGGTACGGCTGCACAACCTCCACCAGCTCTCTGCACCCAGCCC
 TGTTTCACCTTCAGCCATCCCAACAGAGATCCTATGATTGACAACAACCGCTATTGCACC
 TTGGAATTTCTGTGGAGGTGAACACAGTACTACATGGCTTTGCCGGCTACTTTGAGACT
 GTGCTTTATCAGGACATCACTCTGAGTATCCGTCCAGAGACTCACTCTCCTGGGATGTT
 TCATGGTTTCCCATCCTTCTCCCTATTAAGCAGCCATAACGGTACGTGAAGGCCAAACC
 ATCTGTGTGCGTTTCTGGCGATGCAGCAATCCAAGAAGGTGTGGTATGAGTGGGCTGTG
 ACAGCACCAGTCTGTTCTGCTATTACATAACCCACAGGCCGCTCATATACCATTGCCTC
 TAG

Restriction Sites: Please inquire

ACCN: NM_001039619

Insert Size: 2700 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_001039619.1, NP_001034708.1</u>
RefSeq Size:	2470 bp
RefSeq ORF:	1863 bp
Locus ID:	10419
UniProt ID:	<u>O14744</u>
Cytogenetics:	14q11.2
Protein Families:	Stem cell - Pluripotency
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 5' coding region and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (b) is shorter and has a distinct N-terminus, compared to isoform a.</p>