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Product datasheet for SC116333

PRMT5 (NM_006109) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRMT5 (NM_006109) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRMT5
Synonyms:	HRMT1L5; HSL7; IBP72; JBP1; SKB1; SKB1Hs
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_006109, the custom clone sequence may differ by one or more nucleotides

ATGGCGGCGATGGCGGTCGGGGGTGCTGGTGGGAGCCGCGTGTCCAGCGGGAGGGACCTGAATTGCGTCC
CCGAAATAGCTGACACACTAGGGGCTGTGGCCAAGCAGGGGTTTGATTTCCTCTGCATGCCTGTCTTCCA
TCCGCGTTTCAAGAGGGAGTTCATTCAGGAACCTGCTAAGAATCGGCCCGGTCCCCAGACACGATCAGAC
CTACTGCTGTCAGGAAGGGACTGGAATACGCTAATTGTGGGAAAGCTTTCTCCATGGATTCGTCCAGACT
CAAAAGTGGAGAAGATTCGCAGGAACTCCGAGGCGGCCATGTTACAGGAGCTGAATTTTGGTGCATATTT
GGGTCTTCCAGCTTTCCTGCTGCCCCTTAATCAGGAAGATAACACCAACCTGGCCAGAGTTTTGACCAAC
CACATCCACACTGGCCATCACTCTTCCATGTTCTGGATGCGGGTACCCTTGGTGGCACCAGAGGACCTGA
GAGATGATATAATTGAGAATGCACCAACTACACACACAGAGGAGTACAGTGGGGAGGAGAAAACGTGGAT
GTGGTGGCACAACTTCCGGACTTTGTGTGACTATAGTAAGAGGATTGCAGTGGCTCTTGAAATTGGGGCT
GACCTCCCATCTAATCATGTCATTGATCGCTGGCTTGGGGAGCCCATCAAAGCAGCCATTCTCCCCACTA
GCATTTTCCTGACCAATAAGAAGGGATTTCCTGTTCTTTCTAAGATGCACCAGAGGCTCATCTTCCGGCT
CCTCAAGTTGGAGGTGCAGTTCATCATCACAGGCACCAACCACCACTCAGAGAAGGAGTTCTGCTCCTAC
CTCCAATACCTGGAATACTTAAGCCAGAACCGTCCTCCACCTAATGCCTATGAACTCTTTGCCAAGGGCT
ATGAAGACTATCTGCAGTCCCCGCTTCAGCCACTGATGGACAATCTGGAATCTCAGACATATGAAGTGTT
TGAAAAGGACCCCATCAAATACTCTCAGTACCAGCAGGCCATCTATAAATGTCTGCTAGACCGAGTACCA
GAAGAGGAGAAGGATACCAATGTCCAGGTACTGATGGTGCTGGGAGCAGGACGGGGACCCCTGGTGAACG
CTTCCCTGCGGGCAGCCAAGCAGGCCGACCGGCGGATAAAGCTGTATGCTGTGGAGAAAAACCCAAATGC
CGTGGTGACGCTAGAGAACTGGCAGTTTGAAGAATGGGGAAGCCAAGTGACCGTAGTCTCATCAGACATG
AGGGAATGGGTGGCTCCAGAGAAAGCAGACATCATTGTCAGTGAGCTTCTGGGCTCATTTGCTGACAATG
AATTGTCGCCTGAGTGCCTGGATGGAGCCCAGCACTTCCTAAAAGATGATGGTGTGAGCATCCCCGGGGA
GTACACTTCCTTTCTGGCTCCCATCTCTTCCTCCAAGCTGTACAATGAGGTCCGAGCCTGTAGGGAGAAG
GACCGTGACCCTGAGGCCCAGTTTGAGATGCCTTATGTGGTACGGCTGCACAACTTCCACCAGCTCTCTG
CACCCCAGCCCTGTTTCACCTTCAGCCATCCCAACAGAGATCCTATGATTGACAACAACCGCTATTGCAC
CTTGGAATTTCCTGTGGAGGTGAACACAGTACTACATGGCTTTGCCGGCTACTTTGAGACTGTGCTTTAT
CAGGACATCACTCTGAGTATCCGTCCAGAGACTCACTCTCCTGGGATGTTCTCATGGTTTCCCATCCTCT
TCCCTATTAAGCAGCCCATAACGGTACGTGAAGGCCAAACCATCTGTGTGCGTTTCTGGCGATGCAGCAA
TTCCAAGAAGGTGTGGTATGAGTGGGCTGTGACAGCACCAGTCTGTTCTGCTATTCATAACCCCACAGGC
CGCTCATATACCATTGGCCTCTAG

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006109 unedited
GTTCANAATTGTATACGACNACTATAGGCGGCNCGCGAATCGGCACCAGGCCTCGTGCCG
AATTCGGCACGAGGAGATGGCGGCGATGGCGGTCGGGGGTGCTGGTGGGAGCCGCGTGTC
CAGCGGGAGGGACCTGAATTGCGTCCCCGAAATAGCTGACACACTAGGGGCTGTGGCCAA
GCAGGGGTTTGATATCCTCTGCATGCCTGTCTTCCATCCGCGTTTCAAGAGGGAGTTCAT
TCAGGAACCTGCTAAGAATCGGCCCGGTCCCCAGACACGATCAGACCTACTGCTGTCAGG
AAGGGACTGGAATACGCTAATTGTGGGAAAGCTTTCTCCATGGATTCGTCCAGACTCAAA
AGTGGAGAAGATTCGCAGGAACTCCGAGGCGGCCATGTTACAGGAGCTGAATTTTGGTGC
ATATTTGGGTCTTCCAGCTTTCCTGCTGCCCCTTAATCAGGAAGATAACACCAACCTGGC
CAGAGTTTTGACCAACCACATCCACACTGGCCATCACTCTTCCATGTTCTGGATGCGGGT
ACCCTTGGTGGCACCAGAGGACCTGAGAGATGATATAATTGAGAATGCACCAACTACACA
CACAGAGGAGTACAGTGGGGAGGAGAAAACGTGGATGTGGTGGCACAACTTCCGGACTTT
GTGTGACTATAGTAAGAGGATTGCAGTGGCTCTTGAAAATGGGCTGACCTCCCATCTAAT
CATGTCATTGATCGCTGGCTTGGGGAGCCCATCANAGCAGCCATTCTCCCCACTAGCATT
TTCCTGACCAAATAGAAGGNNATTCCTGNTNNCTTCTAGATGCACCAGAGGCTCATCTTT
CCGCTCCTCAGNTGGAGGTGCAGTTCATCATCACAGGCACAACCACACTCAGANAAGGAG
GTCTGCTCCTACCTCCATA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006109 unedited
CCGCGGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTGGCGGGCAGTAAAGGGCTATAACTTTATTTGTATTTCCTCTTACCCAAAACCCTTAA
AACAAGAACCGAAAAAGGGTGAAAATCCGTTCAAACCCCATGTTCTCAGGGATATTCCAG
GGAGTTCTTGAGGGTGAGTGCGTAACTTTAAATCCAGCACTAATTCCTCACCCCCTGGCC
TGAGGGCTTCATAAATTGGGGGCTTGAACCCTGCAATTAATTATAATCCCTTGCCCACCT
TGATGTAAGGCAGGAAAGCAAATTGAAATGCTCCTCTCTGATGGGCAAGGGGAATCACAG
CCCATAAATGTACTGCACCTTTTGTACTACAGGAACAAAACCTGAAGCTGCTTTCAAGGG
TCTGGACACTTGGCACGCAGGGCTAAAGGCCAATGGTATATGAACGGCCTGTGGGGTTAT
GAATAACAAAACAGACTGGTGCTTGTACAACCCACTCATACCACACCTTTTTGGAAATGC
TGGCTCGCCAAAAACCCCCACAGATGGGTTGGGCCTTACGTACCCGTATTGGCTGCTTAA
TAAGGAAGAAGATGGGAAACCATTAAAACCTTCCAGGAAAGTGAGTTTCTTGACGGCTAC
CTCCGATGGATGCCTCGATAAACCCAGTCCCAAGGTACCCCGGAAAAGCCTGTGTATCTG
GGTTACCTCCACAGAAATTCCAAGGCAAAACGGGGTGTCGCCATATAGGAACCTTGTGGG
TAGGCTGAAGGAAAACACGGCTGGGGTCAAAAACTTGTGGAAATTCGCACCCCACACCTT
AAGGGTCTTAAAAGGGCCCTAGGTACGGGGCTTCTCTACAGGTGGACTTATTGTAACTTG
GGGAAAACGGACCCCAAGAATGTCTCCCGGT

Restriction Sites: NotI-NotI

ACCN: NM_006109

Insert Size: 2500 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: NM_006109.2, NP_006100.2

RefSeq Size: 2541 bp

RefSeq ORF: 2541 bp

Locus ID: 10419

UniProt ID: O14744

Cytogenetics: 14q11.2

Domains: Skb1

Protein Families: Stem cell - Pluripotency

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]
Transcript Variant: This variant (1) encodes the longest isoform (a).