

Product datasheet for **SC214739**

PRMT6 (NM_018137) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PRMT6 (NM_018137) Human 3' UTR Clone
Symbol:	PRMT6
Synonyms:	HRMT1L6
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_018137
Insert Size:	1481 bp



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Insert Sequence: >SC214739 3'UTR clone of NM_018137
 The sequence shown below is from the reference sequence of NM_018137. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAGACCAAAGACTTTGCCATGGAGGACTGAGCGTTGCCTTTTCTCCAGCTACCTCCCAAAGCAGCCTG
ACCTGCGTGGGAGAGGCGTAGCGAGGTCGGAGGGGAAAGGGAGATCCACGTGCAAGTAGGGGAATAT
CTCCCCCTTTCCCTCATAGCCTCTAGGGAGGGAGAGTGACTTCATTCTCCATTTGAAGAGATTCTTCT
GGTGATGTTTACTTAAAAAGTGATCCCCCTCAACAACGGATACAGCGTGCTTATTATTGGGCATTTAGC
CTCAAAGCATGTAGTACCAAGCACTTGTATTTCCGTATATTTTGTTCGCGGGGAGTGAGGGGGAAG
AACACGGATGAAAATGTCAGTTTTTGAAGGTCATGCACATCCCTGACACCTCACACCTTATCTAAGT
CTGAAGCTGGGGAGAAAGGGTTTCACTTAGACTTCATACATTTCCAGTACGACTTAGTATCTCTCCAG
AGCCATATTTTCTCAGTCCGAATTAATTTCCCTCCCTAGGTGCCTGTAGGCTATGGTACTTCTTCCTC
ATTGTTTTCTAGGTAACTTCACTACTGTAATTAAGGGGAAGGATATGAGGAAGCAGTTTAAATAGCC
CTGTTCTCATTACTCTGACCACATACATCATAGGGTGCTAAAGTTGATGAACACATTAATCCGTTAAGT
AAAATGGACTTTGTAATTGTACAGCATACCTAAGAACTCAGAAGGTGCATTTAAGAGAGAGACCTGAA
AGAAATAGTATGGATTTTTAAAAATTCTTGCTCTACTATTATAACCAAAAAATATTTCTTGATGTCC
CATAAAAAATTTGTGTAATTTCTATGAAACAGGCTGGTAGAGGAGGTTTCTGAGCCTAGCCCAAGGGC
TTATTCATCACCATGGGTAATTTAACTCACTTAATTAAGGAAAATATTTCCAGCTAGAAAAG
TATACTCATTCTCATTTAACTCTCATTGGAGGGATCATGTGAGTTGGCCTACTTACAAGTAGTGA
AAGTCCCTTTTTCAGTTTTGTTTTGTTTTGTTTTTCTCTTTCAGTCAAGCAATGTGAAAGTTG
TGAATTTAGGAAAATCACTTGTAAATGAAGTGTGAATCTTGTTATCAAATTTATTTCTGATGTTTCTC
TCTTATCCTTGTAGCCAATAAAACATTGACATTCTCACGTTTTATAGATGAGGTAAAAAGTCTTGTGT
GCTGTGAGTTATAATGCTTTTGCCTTTTAAATATTATTAGTTCTTAAGTGTACAGCCCCTCAGAATA
TAACCTCAGGACAATTCAAATATGCTTAATGTATGATTTTCGAGCTTCTGTATGCTAAGAAAATAGGT
GTGAAAACCTGGTGTCTGAAATAGCCTAACATTTATTGTAATTTCTGAATTTTCTGCCCTTTTATTCAT
TGCATATTAAGTATTAGAGTATAAAAACTAA
ACGCGTAAAGCGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 µg dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_018137.3](#)

Summary:

The protein encoded by this gene belongs to the arginine N-methyltransferase family, which catalyze the sequential transfer of methyl group from S-adenosyl-L-methionine to the side chain nitrogens of arginine residues within proteins, to form methylated arginine derivatives and S-adenosyl-L-homocysteine. This protein can catalyze both, the formation of omega-N monomethylarginine and asymmetrical dimethylarginine, with a strong preference for the latter. It specifically mediates the asymmetric dimethylation of Arg2 of histone H3, and the methylated form represents a specific tag for epigenetic transcriptional repression. This protein also forms a complex with, and methylates DNA polymerase beta, resulting in stimulation of polymerase activity by enhancing DNA binding and processivity. [provided by RefSeq, Sep 2011]

Locus ID:

55170

MW:

56.6