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Product datasheet for SC327812

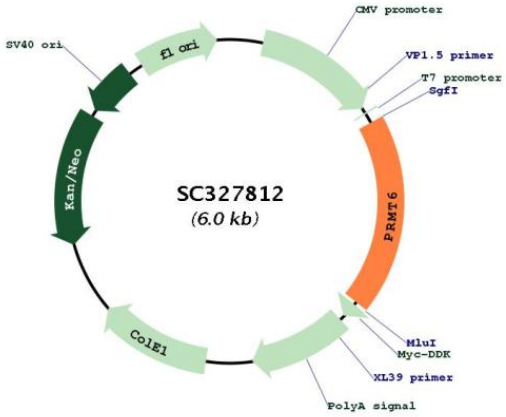
PRMT6 (NM_018137) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRMT6 (NM_018137) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRMT6
Synonyms:	HRMT1L6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC327812 representing NM_018137. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGTCGCAGCCCAAGAAAAGAAAGCTTGAGTCGGGGGGCGGCGGCGAAGGAGGGGAGGGAACTGAAGAG GAAGATGGCGCGGAGCGGGAGGCGGCCCTGGAGCGACCCCGGAGGACTAAGCGGGAACGGGACCAGCTG TACTACGAGTGCTACTCGGACGTTTCGGTCCACGAGGAGATGATCGCGGACCGCGTCCGCACCGATGCC TACCGCCTGGGTATCCTTCGGAACTGGGCAGCACTGCGAGGCAAGACGGTACTGGACGTGGGCGCGGGC ACCGGCATTCTGAGCATCTTCTGTGCCCAGGCCGGGGCCCGGCGCGTGTACGCGGTAGAGGCCAGCGCC ATCTGGCAACAGGCCCGGGAGGTGGTGCGGTTCAACGGGCTGGAGGACCGGGTGCACGTCCTGCCGGGA CCAGTGGAGACTGTAGAGTTGCCGGAACAGGTGGATGCCATCGTGAGCGAGTGGATGGGCTACGGACTC CTGCACGAGTCCATGCTGAGCTCCGTCCTCCACGCGCGAACCAAGTGGCTGAAGGAGGGCGGTCTTCTC CTGCCGGCCTCCGCCGAGCTCTTCATAGCCCCCATCAGCGACCAGATGCTGGAATGGCGCCTGGGCTTC TGGAGCCAGGTGAAGCAGCACTATGGTGTGGACATGAGCTGCCTGGAGGGCTTCGCCACGCGCTGTCTC ATGGGCCACTCGGAGATCGTTGTGCAGGGATTGTCCGGCGAGGACGTGCTGGCCCGGCCGCAGCGCTTT GCTCAGCTAGAGCTCTCCCGCGCCGGCTTGGAGCAGGAGCTGGAGGCCGGAGTGGGCGGGCGCTTCCGC TGCAGCTGCTATGGCTCGGCGCCCATGCATGGCTTTGCCATCTGGTTCCAGGTGACCTTCCCTGGAGGG GAGTCGGAGAAACCCCTGGTGCTGTCCACCTCGCCTTTTCACCCGGCCACTCACTGGAAACAGGCGCTC CTCTACCTGAACGAGCCGGTGCAAGTGGAGCAAGACACGGACGTTTCAGGAGAGATCACGCTGCTGCCC TCCCGGGACAACCCCCGTCGCCTGCGCGTGCTGCTGCGCTACAAAGTGGGAGACCAGGAGGAGAAGACC AAAGACTTTGCCATGGAGGACTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI

View online »

Plasmid Map:



ACCN:	NM_018137
Insert Size:	1128 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:	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_018137.2
RefSeq Size:	2665 bp
RefSeq ORF:	1128 bp
Locus ID:	55170
UniProt ID:	Q96LA8

Cytogenetics:	1p13.3
Protein Families:	Druggable Genome
MW:	41.9 kDa

Gene 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]