

Product datasheet for SC335203

PRMT2 (NM_001286676) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRMT2 (NM_001286676) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRMT2
Synonyms:	HRMT1L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335203 representing NM_001286676. Blue=Insert sequence Red=Cloning site Green=Tag(s)

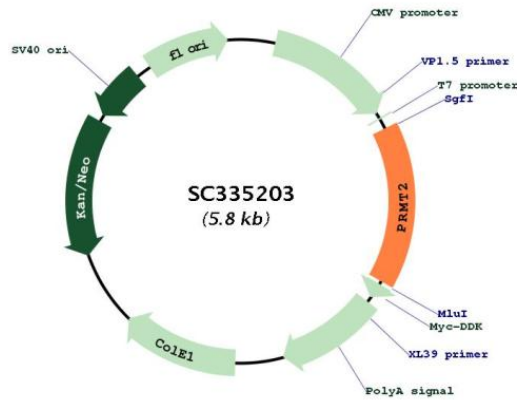
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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGCAACATCAGGTGACTGTCCAGAAGTGAATCGCAGGGAGAAGAGCCTGCTGAGTGCAGTGAGGCC
GGTCTCCTGCAGGAGGGAGTACAGCCAGAGGAGTTTGTGGCCATCGCGGACTACGCTGCCACCGATGAG
ACCCAGCTCAGTTTTTTGAGAGGAGAAAAATTCTTATCCTGAGACAACTGCAGATTGGTGGTGG
GGTGAGCGTGCGGGCTGCTGTGGGTACATTCGGCAAACCATGTGGGAAGCACGTGGATGAGTACGAC
CCCGAGGACACGTGGCAGGATGAAGAGTACTTCGGCAGCTATGGAACCTGAAACTCCACTTGGAGATG
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AAAGTCATCCTGGACGTGGGCTGTGGGACTGGGATCATCAGTCTCTTCTGTGCACACTATGCGCGGCCT
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TTTGCTGACATCATCACCGTGTACCAGCAGAAGGTGGAGGATGTGGTGTGCCCGAGAAGGTGGACGTG
CTGGTGTCTGAGTGGATGGGGACCTGCCTGCTGCACCACACACTGGAAGCAGACGCTGTTTCATGATGGA
CGACCCAGTCCCTGTCCATACAGGAGACGTGGTACGGGTTCAAGTTGTGTGCAGAGAAACCCAGTGTG
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TGGAGAAAAAGTCTTCCCATCTGGAGATGACAGTTGATGCTTTATTTGGAAAGCAGTGTGCATATCTT
GAGGGGTGA
ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_001286676

Insert Size: 906 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_001286676.1](#)

RefSeq Size: 1894 bp

RefSeq ORF: 906 bp

Locus ID: 3275

UniProt ID: [P55345](#)

Cytogenetics: 21q22.3

Protein Families:	Druggable Genome
MW:	33.5 kDa
Gene Summary:	<p>Arginine methyltransferase that methylates the guanidino nitrogens of arginyl residues in proteins such as STAT3, FBL, histone H4. Acts as a coactivator (with NCOA2) of the androgen receptor (AR)-mediated transactivation. Acts as a coactivator (with estrogen) of estrogen receptor (ER)-mediated transactivation. Enhances PGR, PPARG, RARA-mediated transactivation. May inhibit NF-kappa-B transcription and promote apoptosis. Represses E2F1 transcriptional activity (in a RB1-dependent manner). May be involved in growth regulation. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (6) differs in the 5' UTR and lacks 3 consecutive exons in the 3' coding region that causes a frame-shift compared to variant 1. The resulting shorter isoform (5) has a distinct C-terminus compared to isoform 1.</p>