

Product datasheet for **SC330037**

PRMT2 (NM_001242866) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PRMT2 (NM_001242866) Human Untagged Clone
Tag: Tag Free
Symbol: PRMT2
Synonyms: HRMT1L1
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330037 representing NM_001242866.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

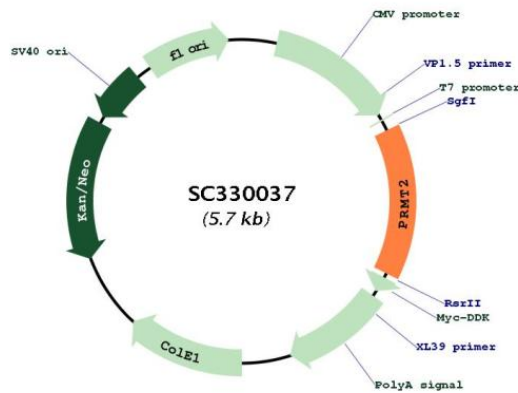
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ATGGCAACATCAGGTGACTGTCCCAGAAGTGAATCGCAGGGAGAAGAGCCTGCTGAGTGCAGTGAGGCC
GGTCTCCTGCAGGAGGGAGTACAGCCAGAGGAGTTTGTGGCCATCGCGGACTACGCTGCCACCGATGAG
ACCCAGCTCAGTTTTTTGAGAGGAGAAAAAATTCTTATCCTGAGACAAACCACTGCAGATTGGTGGTGG
GGTGAGCGTGC GGGCTGCTGTGGGTACATTCCGGCAAACCATGTGGGGAAGCACGTGGATGAGTACGAC
CCCGAGGACACGTGGCAGGATGAAGAGTACTTCGGCAGCTATGGAACCTGAAACTCCACTTGGAGATG
TTGGCAGACCAGCCACGAACAATAAACCACAGTGTCATCCTGCAGAATAAAGAATCCCTGACGGAT
AAAGTCATCCTGGACGTGGGCTGTGGGACTGGGATCATCAGTCTCTTCTGTGCACACTATGCGCGGCCT
AGAGCGGTGTACGCGGTGGAGGCCAGTGAGATGGCACAGCACACGGGGCAGCTGGTCCTGCAGAACGGC
TTTGCTGACATCATCACCGTGTACCAGCAGAAGGTGGAGGATGTGGTGTGCTGCCCGAGAAGGTGGACGTG
CTGGTGTCTGAGTGGATGGGGACCTGCCTGCTGTTTGAGTTTATGATCGAGTCCATCCTGTATGCCCGG
GATGCCTGGCTGAAGGAGGACGGGGTCATTTGGCCACCATGGCTGCGTTGCACCTTGTGCCCTGCAGT
GCTGATAAGGATTATCGTAGCAAGGTGCTCTTCTGGGACAACGCGTACGAGTTCAACCTCAGCGCTCTG
AAGTAA
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Restriction Sites: Sgfl-RsrII



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Plasmid Map:



ACCN: NM_001242866

Insert Size: 834 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_001242866.2
RefSeq Size:	3418 bp
RefSeq ORF:	834 bp
Locus ID:	3275
UniProt ID:	P55345
Cytogenetics:	21q22.3
Protein Families:	Druggable Genome
MW:	31.2 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 (5) differs in the 5' UTR and has an alternate 3' terminal exon compared to variant 1. The resulting isoform (4) has a shorter C-terminus compared to isoform 1.</p>