

Product datasheet for **SC334622**

PRMT2 (NM_001286678) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRMT2 (NM_001286678) 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:	>NCBI ORF sequence for NM_001286678, the custom clone sequence may differ by one or more nucleotides

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ATGGCAACATCAGGTGACTGTCCCAGAAGTGAATCGCAGGGAGAAGAGCCTGCTGAGTGCAGTGAGGCCG
GTCTCCTGCAGGAGGGAGTACAGCCAGAGGAGTTTGTGGCCATCGCGGACTACGCTGCCACCGATGAGAC
CCAGCTCAGTTTTTTGAGAGGAGAAAAAATCTTATCCTGAGACAAACCTGCAGATTGGTGGTGGGGT
GAGCGTGCGGGCTGCTGTGGGTACATTCGCGCAAACCATGTGGGGAAGCACGTGGATGAGTACGACCCCG
AGGACACGTGGCAGGATGAAGAGTACTTCGGCAGCTATGGAACCTGAAACTCCACTTGGAGATGTTGGC
AGACCAGCCACGAACAATAAACCACAGTGTTCATCCTGCAGAATAAAGAATCCCTGACGGATAAAGTC
ATCCTGGACGTGGGCTGTGGGACTGGGATCATCAGTCTTCTGTGCACACTATGCGCGGCCTAGAGCGG
TGTACGCGGTGGAGGCCAGTGGATGGCACAGCACCGGGCAGCTGGTCTGCAGAACGGCTTTGCTGA
CATCATCACCGTGTACCAGCAGAAGGTGGAGGATGTTGGTCTGCCCGAGAAGGTGGACGTGCTGGTGTCT
GAGTGGATGGGGACCTGCCTGCTGGTTGGAGAAAAAGTCTTCCCCATCTGGAGATGA
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001286678
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_001286678.1](#), [NP_001273607.1](#)

RefSeq Size: 1722 bp

RefSeq ORF: 687 bp

Locus ID: 3275

UniProt ID: [P55345](#)

Cytogenetics: 21q22.3

Protein Families: Druggable Genome

Gene Summary: 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]

Transcript Variant: This variant (8) differs in the 5' UTR and lacks 4 consecutive exons in the 3' coding region compared to variant 1. However, it maintains the reading frame and encodes a shorter isoform (7) lacking an internal protein segment compared to isoform 1.