

## Product datasheet for **SC308348**

### PRMT2 (NM\_206962) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PRMT2 (NM_206962) 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:	>SC308348 representing NM_206962. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCAACATCAGGTGACTGTCCAGAAGTGAATCGCAGGGAGAAGAGCCTGCTGAGTGCAGTGAGGCC
GGTCTCCTGCAGGAGGGAGTACAGCCAGAGGAGTTTGTGGCCATCGCGGACTACGCTGCCACCGATGAG
ACCCAGCTCAGTTTTTTGAGAGGAGAAAAAATTCTTATCCTGAGACAAACCCTGCAGATTGGTGGTGG
GGTGAGCGTGCAGGCTGCTGTGGGTACATTCGGCAAACCATGTGGGGAAGCACGTGGATGAGTACGAC
CCCAGGACACGTGGCAGGATGAAGAGTACTTCGGCAGCTATGGAACCTGAAACTCCACTTGGAGATG
TTGGCAGACCAGCCACGAACAATAAACCACAGTGTATCCTGCAGAATAAAGAATCCCTGACGGAT
AAAGTCATCCTGGACGTGGGCTGTGGGACTGGGATCATCAGTCTTCTGTGCACACTATGCGCGGCCT
AGAGCGGTGTACGCGGTGGAGGCCAGTGAGATGGCACAGCACACGGGGCAGCTGGTCTGCAGAACGGC
TTTGCTGACATCATCACCGTGTACCAGCAGAAGGTGGAGGATGTGGTGTGCCCGAGAAGGTGGACGTG
CTGGTGTCTGAGTGGATGGGGACCTGCCTGCTGTTTGGAGTTCAATGATCGAGTCCATCCTGTATGCCCGG
GATGCCTGGCTGAAGGAGGACGGGGTCAATTTGGCCACCATGGCTGCGTTCACCTTGTGCCCTGCAGT
GCTGATAAGGATTATCGTAGCAAGGTGCTCTTCTGGGACAACCGTACGAGTTCAACCTCAGCGCTCTG
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CACTTCCAGAGCCTGCAGGAGGGGCAGCCGCCGAGGTGCTCAGCACCGGGCCCTTCCACCCACCACA
CACTGGAAGCAGACGCTGTTTATGATGGACGACCCAGTCCCTGTCCATACAGGAGACGTGGTACGGGT
TCAGTTGTGTTGCAGAGAAACCCAGTGTGGAGAAGGCACATGTCTGTGGCTCTGAGCTGGGCTGTCACT
TCCAGACAAGACCCACATCTCAAAAAGTTGGAGAAAAAGTCTTCCCATCTGGAGATGA
AGCGGACCGACGCTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
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<b>Restriction Sites:</b>	Sgfl-RsrII
<b>Plasmid Map:</b>	□
<b>ACCN:</b>	NM_206962
<b>Insert Size:</b>	1302 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_206962.3</a>
<b>RefSeq Size:</b>	2446 bp
<b>RefSeq ORF:</b>	1302 bp
<b>Locus ID:</b>	3275
<b>UniProt ID:</b>	<a href="#">P55345</a>
<b>Cytogenetics:</b>	21q22.3
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	49 kDa
<b>Gene Summary:</b>	<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 (1) encodes the longest isoform (1). Variants 1 and 2 encode the same isoform.</p>