

Product datasheet for **SC320656**

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-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_206962.1
 AGGGCGGTGGCTCAGGCTCCTGGAAAGGACCGTCCACCCCTCCGCGCTGGCGGTGTGGAC
 GCGGAACTCAGCGGAGAAACGCGATTGAGAGCAGTGTGTGGATTACACTATCACTGGAAA
 AATACGAATTGAGAAGAAGGAAAAGACTGGAAGATGCAGACCTTGGTTCCTGTTAGTGGAA
 AACACTGTAAGGTCCCAGAAATGGAAAAGAAAATGAAATAAATCAGCAGTTATGAGGCAG
 AGCCTAAGAGAACTATGGCAACATCAGGTGACTGTCCAGAAGTGAATCGCAGGGAGAAG
 AGCCTGTGAGTGCAGTGAAGCGGGTCTCCTGCAGGAGGAGTACAGCCAGAGGAGTTTG
 TGGCCATCGCGGACTACGCTGCCACCGATGAGACCCAGCTCAGTTTTTTGAGAGGAGAAA
 AAATCTTATCCTGAGACAAACCACTGCAGATTGGTGGTGGGGTGAAGCTGCGGGCTGCT
 GTGGGTACATTCCGGCAAACCATGTGGGAAGCACGTGGATGAGTACGACCCCGAGGACA
 CGTGGCAGGATGAAGAGTACTTCGGCAGCTATGGAACCTGAAACTCCACTTGGAGATGT
 TGGCAGACCAGCCACGAACAATAAATACCACAGTGTATCCTGCAGAATAAAGAATCCC
 TGACGGATAAAGTCATCCTGGACGTGGGCTGTGGGACTGGGATCATCAGTCTCTTCTGTG
 CACACTATGCGCGCCTAGAGCGGTGTACGCGGTGGAGGCCAGTGAAGTGCACAGCACA
 CGGGGCAGCTGGTCTGCAGAACGGCTTTGCTGACATCATCACCGTGTACCAGCAGAAGG
 TGGAGGATGTGGTGTGCCCGAGAAGGTGGACGTGCTGGTGTCTGAGTGGATGGGGACCT
 GCCTGCTGTTTGAAGTTCATGATCGAGTCCATCCTGTATGCCCGGGATGCCTGGCTGAAGG
 AGGACGGGGTCATTTGGCCACCATGGCTGCGTTGCACCTTGTGCCCTGCAGTGTGATA
 AGGATTATCGTAGCAAGGTGCTCTTCTGGGACAACGCGTACGAGTTCAACCTCAGCGCTC
 TGAAATCTTTAGCAGTTAAGGAGTTTTTTTCAAAGCCCAAGTATAACACATTTTGAAAC
 CAGAAGACTGTCTCTGAACCGTGCATATATTGAGTTGGACATGAGAACCCTGCAAAA
 TTTCTGATCTAGAGACCTGAGGGGCGAGCTGCGCTTCGACATCAGGAAGCGGGGACCC
 TGCACGGCTTACGGCCCTGGTTTAGCGTCCACTCCAGAGCCTGCAGGAGGGGACGCCG
 CGCAGGTGCTCAGCACCGGGCCCTTCCACCCACCACACACTGGAAGCAGACGCTGTTCA
 TGATGGACGACCCAGTCCCTGTCCATACAGGAGACGTGGTTCACGGTTTCAAGTGTGTTGC
 AGAGAAACCCAGTGTGGATAAAGGCACATGTCTGTGGCTCTGAGCTGGGCTGCACTTCCA
 GACAAGACCCACATCTCAAAAAGTTGGAGAAAAAGTCTTCCCCATCTGGAGATGACAGT
 TGATGCTTTATTTGAAAGCAGTGTGCATATCTTGAGGGGTGATGAACACAAGCAAACCA
 AGTTGCACCTGGCTTCTGCACACTCCTGCGAAAGTCGGTGAACATTCCTCCACATTGAC
 CCCTCCCTAGCCTGGCAGGTGACGTGAGGTCCTTACAGACAAACACGCTTGGGCTCGG
 CAGGAGCTGCCGTGGCCACCCCGCTGCCAGTGTCTGCCCTCTAGAAGTAGGCTGTGTT
 TCCAGGTGTTACCCGTTGGTCCACAGTGCCGACCCGTTGGTGGTTCGGAGCTCCATGT
 TCTAAGCTAGGTCTAGGTCTACACTCCTAGGACGCACGCATATCAGCCCGTGTACCCCTG
 TGACAGTGAAGTGTCCCACTCCTGTGTTAGTGGTGGCCCTTACTGCCGTGCTCATCCAC
 TCGTGTGGGACGTAGGATTGCACAGGGCTGTGCCAGTGGCGTGTAGGGAACACTGCCCTG
 GCTCAGCGTGGAGCTAAGGTGGCGATGTATGCGATGGGACTCTGCATGGGATAGTACAG
 TTGTGTAGACGCTTCCAATAAATTATGTGTTGGTCCATCGCACATGCTCAATAAATAA
 AAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_206962

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:	<ol style="list-style-type: none">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:	<u>NM_206962.1</u> , <u>NP_996845.1</u>
RefSeq Size:	2249 bp
RefSeq ORF:	1302 bp
Locus ID:	3275
UniProt ID:	<u>P55345</u>
Cytogenetics:	21q22.3
Protein Families:	Druggable Genome
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 (1) encodes the longest isoform (1). Variants 1 and 2 encode the same isoform.</p>