OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC119192

PRMT2 (NM_001535) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRMT2 (NM_001535) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRMT2
Synonyms:	HRMT1L1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC119192 sequence for NM_001535 edited (data generated by NextGen Sequencing)

ATGGCAACATCAGGTGACTGTCCCAGAAGTGAATCGCAGGGAGAAGAGCCTGCTGAGTGC
AGTGAGGCCGGTCTCCTGCAGGAGGGAGTACAGCCAGAGGAGTTTGTGGCCATCGCGGAC
TACGCTGCCACCGATGAGACCCAGCTCAGTTTTTTGAGAGGAGAAAAAATTCTTATCCTG
AGACAAACCACTGCAGATTGGTGGTGGGGTGAGCGTGCGGGCTGCTGTGGGTACATTCCG
GCAAACCATGTGGGGAAGCACGTGGATGAGTACGACCCCGAGGACACGTGGCAGGATGAA
GAGTACTTCGGCAGCTATGGAACTCTGAAACTCCACTTGGAGATGTTGGCAGACCAGCCA
CGAACAACTAAATACCACAGTGTCATCCTGCAGAATAAAGAATCCCTGACGGATAAAGTC
ATCCTGGACGTGGGCTGTGGGACTGGGATCATCAGTCTCTTCTGTGCACACTATGCGCGG
CCTAGAGCGGTGTACGCGGTGGAGGCCAGTGAGATGGCACAGCACACGGGGCAGCTGGTC
CTGCAGAACGGCTTTGCTGACATCATCACCGTGTACCAGCAGAAGGTGGAGGATGTGGTG
CTGCCCGAGAAGGTGGACGTGCTGGTGTCTGAGTGGATGGGGACCTGCCTGCTGTTTGAG
TTCATGATCGAGTCCATCCTGTATGCCCGGGATGCCTGGCTGAAGGAGGACGGGGTCATT
TGGCCCACCATGGCTGCGTTGCACCTTGTGCCCTGCAGTGCTGATAAGGATTATCGTAGC
AAGGTGCTCTTCTGGGACAACGCGTACGAGTTCAACCTCAGCGCTCTGAAATCTTTAGCA
GTTAAGGAGTTTTTTTCAAAGCCCAAGTATAACCACATTTTGAAACCAGAAGACTGTCTC
TCTGAACCGTGCACTATATTGCAGTTGGACATGAGAACCGTGCAAATTTCTGATCTAGAG
ACCCTGAGGGGCGAGCTGCGCTTCGACATCAGGAAGGCGGGGACCCTGCACGGCTTCACG
GCCTGGTTTAGCGTCCACTTCCAGAGCCTGCAGGAGGGGCAGCCGCCGCAGGTGCTCAGC
ACCGGGCCCTTCCACCCCACCACACACTGGAAGCAGACGCTGTTCATGATGGACGACCCA
GTCCCTGTCCATACAGGAGACGTGGTCACGGGTTCAGTTGTGTTGCAGAGAAACCCAGTG
TGGAGAAGGCACATGTCTGTGGCTCTGAGCTGGGCTGTCACTTCCAGACAAGACCCCACA
TCTCAAAAAGTTGGAGAAAAAGTCTTCCCCATCTGGAGATGA

Clone variation with respect to NM_001535.3

View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001535 unedited
GTGGATTTTGAAACCGACTTCCTATAGGGCGGCCGCGAATTCGGCACGAGGGGCTCCTGT
AAAGGACCGTCCACCCCTCCGCGCTGGCGGTGTGGACGCGGAACTCAGCGGAGAAACGCG
ATTGAGAAATGGAAAAGAAAATGAAATAAATCAGCAGTTATGAGGCAGAGCCTAAGAGAA
CTATGGCAACATCAGGTGACTGTCCCAGAATTGTTTCGCAGGGAGAAGAGCCTGCTGAGT
GCAGTGAGGCCGGTCTCCTGCAGGAGGGAGTACAGCCAGAGGAGTTTGTGGCCATCGCGG
ACTACGCTGCCACCGATGAGACCCAGCTCAGTTTTTTGAGAGGAGAAAAAATTCTTATCC
TGAGACAAACCACTGCAGATTGGTGGTGGGGTGAGCGTGCGGGCTGCTGTGGGTACATTC
CGGCAAACCATGTGGGGAAGCACGTGGATGAGTACGACCCCGAGGACACGTGGCAGGATG
AAGAGTACTTCGGCAGCTATGGAACTCTGAAACTCCACTTGGAGATGTTGGCAGACCAGC
CACGAACAACTAAATACCACAGTGTCATCCTGCAGAATAAAGAATCCCTGACGGATAAAG
TCATCCTGGACGTGGGCTGTGGGACTGGGATCATCAGTCTCTTCTGTGCACACTATGCGC
GGCCTAGAGCGGTGTACGCGGTGGAGGCCAGTGAGATGGCACAGCACACGGNGCAGCTGG
TCCTGCAGAACGGCTNTGCTGACATCATCACCGTGTACCAGCANAAGGTGGAGGATGTGG
TGCTGCCCGAGAAGTGGACGTGCNTGTGTCTGAGTGGATGGNGACCTGCCCTGCTGTTGA
GTTCATGATCGAGNTCATCCTGTATGCCCCGNATGCCTGGCTGANNGAGGACCGGGTCAT
TTGCCCACCATGGCTGCGNTGCACCTTGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001535 unedited
ATGGAAACTTCCATTTTCCAGNANAGCACTGGGCGAGGGGTCACAGGGCTGCCACCCGGG
ATCTGTTCAGGAAACAGCTATGACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTT
TTTCTCACTCATTTAAAAATATTTATTGAGCATGTGCGATGGACCAACACATAATTTATT
TGGAAGACGTCTACACAACTGTACTATCCCATGCATAGTCCCATCGCATACATCACCACC
TTAGCTCGTACGCTGAGCCAGGGCAGTGTTCCCTACACGCCACTGGCACAGCCCTGTGCA
ATCCTACGTCCCACACGAGTGGATGAGCGACGGCAGTAAGGGCACCACTAACATAGGAGG
TGGGGACAGTCACTGTCACAGGGTACACGGGCTGATATGCGTGCGTCCTAGGAGTGTAGA
CCTAGACCTAGCTAAGGAACATGGAGCTCCGACCCAGCCACGGGTCGGCACTGTGGGCAC
CACGGGTGAACACCTGAAAACACAGCCTACTTCTAGAGGGCAAACACTGGGCAGCGGGGG
TGGCCAACGGAAGTTTCTGCCGAGCCCAACGTGTTTGTTTGGGAAGGACCCTGCCTCCCC
TGCCAGGCTGGGGAGGGGTAAATGGGGAGTGTAAGTTCCACCGACTTCGCGAGAGTGTGC
AAAAGCCACGTGCACTTGGTTCGCTTGTTTCATTCCCCCCCAAGATTGCCCCCTGCTTTC
CAAAAAGCTTCCCCTGCATTCCCCAAAGGGGAGACATTTCCTCCACTTTTGAAACGGGGG
TTTTGCCGGGAGTGAAACCCAATTTAAAACCCAAAACGGGCCTTCCCAACTGGGTTTCTC
GGAAAACATCGAACCCTTGACCCCTCTTTGTATGG

Restriction Sites: NotI-NotI

ACCN: NM_001535

Insert Size: 2050 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_001535.2, NP_001526.2
RefSeq Size:	2140 bp
RefSeq ORF:	1302 bp
Locus ID:	3275
UniProt ID:	P55345
Cytogenetics:	21q22.3
Domains:	SH3
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 (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same isoform (1).