

Product datasheet for **SC108108**

PRMT8 (NM_019854) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRMT8 (NM_019854) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRMT8
Synonyms:	HRMT1L3; HRMT1L4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108108 sequence for NM_019854 edited (data generated by NextGen Sequencing)

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ATGGGCATGAAACACTCCTCCCCTGCCTGCTCCTGAGGAGGAAAATGGCGGAGAACGCG
GCCGAGAGCACCGAGGTGAACAGCCCCCTCCCAGCCCCCAGCCCGTCGTCCTGCT
AAGCCCCGTGCAATGCGTCCATCATGTGTCCACTCAACCCAGCTGCCAGGACGGGCAAG
ATGTCCAAGCTGCTGAACCCAGAGGAGATGACCTCGAGAGATTACTTCGACTCCTAT
GCCCACTTTGGGATCCACGAGGAAATGCTGAAGGATGAGGTGCGGACTCTCACTTACCGG
AACTCCATGTACCACAACAAGCACGTGTTCAAGGACAAAGTGGTACTGGATGTGGGGAGT
GGTACTGGGATCCTTTCCATGTTTCGCTGCCAAGGCAGGGGCCAAGAAGGTGTTTGGGATC
GAATGCTCCAGTATTTCTGACTACTCAGAGAAGATCATTAAAGCCAACCCTTGGACAAC
ATCATACCATATTTAAGGGTAAAGTGAAGAGGTGGAGCTGCCTGTGGAGAAGGTGGAC
ATCATCATCAGCGAGTGGATGGGCTACTGTCTGTTCTATGAGTCCATGCTCAACACGGTG
ATCTTTGCCAGGGACAAGTGGCTGAAACCTGGAGGGCTTATGTTTCCAGACCGGGCAGCT
TTGTACGTGGTAGCGATTGAAGACAGACAGTACAAGGACTTCAAATCCACTGGTGGGAG
AATGTCTATGGCTTTGACATGACCTGCATCCGGGACGTGGCCATGAAGGAGCCTCTAGTG
GACATCGTGGATCCAAAGCAAGTGGTGACCAATGCCTGTTTGATAAAGGAGGTGGACATT
TACACAGTGAAGACGGAAGACTATCGTTCACATCTGCATTCTGCCTGCAGATACAGCGC
AACGACTACGTCCACGCCCTGGTCACCTATTTTAATATTGAATTTACCAAGTGCCACAAG
AAAATGGGGTTTTCCACAGCCCCGTGATGCTCCCTACACCCACTGGAAGCAGACCGTCTTC
TACTTGGAAAGATTACCTCACTGTCCGAAGGGGGAGGAAATCTACGGGACCATATCCATG
AAGCCAAATGCCAAAATGTGCGAGACCTCGATTTACAGTAGACTTGGATTTTAAGGGA
CAGCTGTGTGAAACATCTGTATCTAATGACTACAAAATGCGTTAG

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Clone variation with respect to NM_019854.3
1047 g=>a



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_019854 unedited</p> <pre> NGTCAGAAATTTGTATACGACTCCTATAGGGCGGCCGCGATTTCGGCACGAGGCCGCCGCCG CCGCCGCCGCCGCGGAGGCTTCGGGGCTGCTTCCCTCGAGCTTAGCCCGCAGCGCGGGTG GAGAGGGGCGGGGAGGGGGTCCGGGGCACGAGAAGAACTTGAACCGTGTGAAGGAATCC GGAGCAGATGAGAAGGGAGGAAAATAAAAGAAAGTGGAGACTGCAGAACAGACTCCGCTG TGGCTGACTGTGCCGGCCGACGCTCCAGCTGAGGGGCTGGGTTGGATTTTTTTTTTCTC CCATCCTCTCGCTCTCTCTTTAAAGCGACACCAGCTCTCTCTCCTCCTACTATCTCG GTATACCAAACCTTGCCGGCTTTATGGGCATGAAACACTCCTCCCGCTGCCTGCTCC TGAGGAGGAAAATGGCGGAGAACCGGCCGAGAGCACCGAGGTGAACAGCCCCCTCC AGCCCCCAGCCGTCGTCCCTGCTAAGCCCGTGAATGCGTCCATCATGTGTCCACTC AACCCAGCTGCCAGGACGGGGCAAGATGTCCAAGCTGTGAACCCAGAGGAGATGACCT CGAGAGATTACTTCGACTCCTATGCCCACTTTGGGATCCACGAGGAAATGCTGAAGG ATGAGGTGCGGACTCTCACTTACCGGAACTCCATGTACCACAACAAGCACGTGTTCAAGG ACAAAGTGGTACTGGATGTGGCAGTGGTACTGGGATCCTTTCTGTTGCTGCCAGGCA GGGCCAAGAAGGTGTTTGGGATCGATGCTCCAGTATTCTGACTACTCANAGAGATCATT GGCCACCCTTGACACATCACACCATATTAAGTTAAGTGGAACAAGTGACCTGCTA </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_019854 unedited</p> <pre> CTATGGACCCGCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTGTTCATGT GTGTTTATTGAGCGCCCCGAGTCCGTGGTACTATGCTCAAGGTTTCCAGGCCACAGTCCA GTCAAAGGAGACCAGAAGTACAGAGAATGTTTCATAGCTGCTTAACATCTGGTAAG GGGTGGGAAGGGGCGAACTAATCACAAAACAAATTCCTATTCAAAGCAACAGAATCTC CTCTGAGAGTAATATATATTCTAGGCACACGCGCACGCACACACACACACACCCCTTTGA GAGAACACCTAGGTCTACCCACTTGTTGTATATGCACGCATATACAGGTGTTTGTGGGT AAATATCAACTACGCTGCTCACATTACACATGCACTCACACGCACACCACCGGACACAC ACATAATCTGGCTTATGCTATCAAAGATGCTATGTCTCCAGGTTCTAGTGAAGCAATCT GTCCTAGACACCCGACGATGCAAAACTCAGAAGACCCGGAGAGTACAGTTAAGGAGGA GACGGGGAGACGCGAATACGTTTCCACCCTCGGGGCCAGCCACAGCACGCCAGGTCGCT CTTTGTTGGCAACACAAAGCCTTCGTGAAGGGCTACCAGGGCAGAGCGGAGGAGCTGGAG GCCTTCTGTCCAGTGGCAGAGCCACGGGAGCCCTGNGGAGTTCACCAATCTTCAAGGCA GAGTTGAAAACCTCGTTTTCAAGTGTGTAGTCTGCAAAACGGTATTCTTTGGGACGGCA CGGCAGATCGAGGTGAGAAGTCTTTTCTCGTTGCTCTCTCGAGCTTCCACGTGTGTA ACGCATTTTGTAGTCATTAGATACAGATGTTTCACACAGCTGTCCCTTAAATCCAATCT ACTGTGAAATCCAGGCTCGCACATTTTGCATTTGGCTTCATGGATTGGCCCCGAAAAT TCCTCCCCCTTCGACAGTGAG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_019854
Insert Size:	2560 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:	<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:	NM_019854.3 , NP_062828.3
RefSeq Size:	2356 bp
RefSeq ORF:	1185 bp
Locus ID:	56341
UniProt ID:	Q9NR22
Cytogenetics:	12p13.32
Protein Families:	Druggable Genome
Gene Summary:	<p>Arginine methylation is a widespread posttranslational modification mediated by arginine methyltransferases, such as PRMT8. Arginine methylation is involved in a number of cellular processes, including DNA repair, RNA transcription, signal transduction, protein compartmentalization, and possibly protein translation (Lee et al., 2005 [PubMed 16051612]). [supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>