

Product datasheet for **SC107064**

PRMT10 (PRMT9) (NM_138364) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRMT10 (PRMT9) (NM_138364) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRMT10
Synonyms:	PRMT10
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC107064 sequence for NM_138364 edited (data generated by NextGen Sequencing)

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ATGTGCAACTCGCGGCCAGGTCCC GCCGAGACGCCGGGTGTGGCGCTGGGGCAGCCGGC
CGGGACGAGCTGGTGTGCGGGTCTTGCAGAGCGCAGAGCACTGTCTGGGCGTCCAGGAC
TTCGGCACTGCCTATGCCCACTACCTCCTCGTGCTCAGCCTGGCGCCGGAGCTGAAACAC
GACGTGAAGGAACTTTTCAGTACACACTTTTCAGATGGGCTGAAGAGCTTGATGCTCTC
AGTCGGATACAAGACTTACTTGGTTGCTATGAGCAGGCCTGGAAGTGTTCCTGATGAT
GAAGTGATTTGCAATAGTATGGGGGAGCATCTCTTCAGAATGGGCTTTAGGGATGAAGCA
GCTGGGTATTTTCATAAAGCAGTGAAGCTAAACCCTGATTTTCAGTGATGCAAAGGAGAAT
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AAGAGGAATACAATTTATAATGCAGCAATCCAAAAGGCAGTTTGGTTGGGTCAAAAGT
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CATTCCGTGTATGCCTGTGAGTTATCCAAGACCATGTATGAACTGCCTGTGATGTCGTG
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ATTCCAAAACATATTTCCGAAAGAGTGTCCCTAGTTGTAACAGAAACTGTCGATGCAGGT
TTATTTGGAGAAGGAATTGTGGAGAGTTTGATTTCATGCATGGGAGCATTTACTTTTACAG
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TGTCAGAAATGAGATGAGCTCTGGAAGTGGACAGAGTAATACTGTACAGAACATCCTTGAA
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CTCATATCTGAAGCCAATCACTTTCCTAAAGAAACACTTGAGTTTTGGCTGAGACATGTG
GAGGATGAATCTGCTATGTTACAAAGGCCAAAATCAGACAAGTTATGGAGCATAATTATA
TTGGATGTCATTGAGCCATCTGGGCTCATTGAGCAGGAAATAATGGAAAAAGCTGCAATA
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CTTGATTAAATATAGCACCTTTTATTAACCAGTTTCAGGTACCTATACGTGATTTTTTG
GACCTATCCTCATTGCCCTGTATACCTTTAAGCAAGCCAGTGGAACTTTAAGACTAGAT
TTAATGACTCCGATTTTGAACACCTCTAACAGAGAAGTAAAGGTATACGTTTGTAAATCT
GGAAGACTGACTGCTATTCCATTTTGGTATCATATGTACCTTGATGAAGAGATTAGGTTG
GATACTTCAAGTGAAGCCTCCCACTGGAAAACAAGCTGCAGTTGTTTTAGATAATCCCATC
CAGGTTGAAATGGGAGAGGAACTTGTACTCAGCATTGAGCATCACAAAAGCAATGTCAGC
ATCACAGTAAAGCAATGA
    
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Clone variation with respect to NM_138364.2
40 g=>t

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_138364 unedited CGAGGGGCTGGGGTTGGTGAGTTCACCCGCGCGGNAGGTAACCTTGCTGTGCTGTTTT TGAGCAGTTGCTGGTCCCTGGAAGTGTAGCATCGAGAGAGTTTTCTAATTACGTTTACA AAATATCTTCCCTTTGGCCATACAAGTGGTGACTGCCATGTGCAACTCGCGGCCAGGTC CCGCCGAGACGCCGGGTGGCGCTGGGGCAGCCGGCCGGGACGAGCTGGTGTTCGCGGT CCTTGCAGAGCGCAGAGCACTGTCTGGGCGTCCAGGACTTCGGCACTGCCTATGCCCACT ACCTCCTCGTGCCTCAGCCTGGCGCCGGAGCTGAAACACGACGTGAAGGAAACTTTTCAGT ACACACTTTTCAGATGGGCTGAAGAGCTTGATGCTCTCAGTCGGATACAAGACTTACTTG GTTGCTATGAGCAGGCCTTGAAGCTGTTTCTGATGATGAAGTATTTG
Restriction Sites:	ECoRI-NOT
ACCN:	NM_138364
Insert Size:	4700 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_138364.2 , NP_612373.2
RefSeq Size:	2842 bp
RefSeq ORF:	2538 bp
Locus ID:	90826
UniProt ID:	Q6P2P2
Cytogenetics:	4q31.23
Protein Families:	Druggable Genome

Gene Summary:

This gene encodes a type II methyltransferase. Post-translational modification of target proteins by PRMTs plays an important regulatory role in many biological processes, whereby PRMTs methylate arginine residues by transferring methyl groups from S-adenosyl-L-methionine to the guanidino nitrogen atoms of arginine. The protein encoded by this gene methylates spliceosome associated protein 145 to regulate alternative splicing and acts as a modulator of small nuclear ribonucleoprotein maturation. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Apr 2017]

Transcript Variant: This variant (1) encodes the longest isoform (1).