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Product datasheet for SC106432

PRMT3 (AF059531) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRMT3 (AF059531) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRMT3
Synonyms:	HRMT1L3
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF sequence for AF059531 edited
ATGTGCTCGTTAGCGTCAGGCGCTACCGGCGGCCGGGGCGCTGTGGAGAATGAGGAGGAC
CTGCCAGAACTGTCGGACAGCGGGGACGAGGCCGCCTGGGAGGATGAGGACGATGCAGAT
CTCCCCCACGGCAAGCAGCAGACCCCCTGCCTGTTCTGTAACAGGTTATTCACATCTGCT
GAAGAAACATTTTCACACTGTAAGTCTGAGCATCAGTTTAATATTGACAGCATGGTTCAT
AAACATGGACTTGAATTTTATGGATACATTAAGCTAATAAATTTTATTAGACTTAAGAAT
CCTACAGTTGAGTACATGAATTCCATATACAACCCAGTGCCTTGGGAGAAAGAAGAGTAT
TTGAAGCCAGTATTAGAAGATGACCTTTTACTTCAATTTGATGTAGAAGATCTTTATGAA
CCGGTGTCAGTACCCTTCTCATACCCCAATGGACTCAGTGAAAATACATCTGTTGTTGAA
AAATTGAAACATATGGAAGCCAGGGCACTGTCTGCTGAAGCCGCATTGGCCAGAGCACGT
GAGGATCTGCAAAAAATGAAACAATTTGCTCAGGATTTTGTGATGCACACAGATGTCAGA
ACCTGCTCGTCATCTACTAGTGTCATTGCGGACCTCCAGGAGGATGAGGATGGTGTTTAT
TTCAGCTCATACGGGCATTATGGGATACATGAAGAAATGCTAAAGGACAAAATACGAACA
GAAAGCTACCGAGATTTCATATACCAAAATCCACATATCTTCAAAGACAAGGTAGTTTTG
GATGTTGGGTGTGGAACTGGAATTCTCTCTATGTTTGCTGCTAAAGCTGGGGCGAAGAAG
GTTCTTGGAGTTGATCAATCTGAAATACTTTACCAGGCAATGGATATTATAAGACTAAAT
AAACTTGAAGATACTATTACACTAATTAAAGGAAAGATTGAAGAAGTTCATCTTCCTGTA
GAAAAAGTAGATGTTATCATATCTGAGTGGATGGGCTATTTTCTTCTGTTTGAGTCTATG
TTAGATTCTGTCCTTTATGCAAAGAACAAATACTTGGCAAAAGGAGGCTCGGTCTACCCT
GACATTTGCACTATCAGCCTTGTAGCAGTGAGTGATGTGAATAAACATGCTGATAGAATT
GCTTTTTGGGATGATGTCTATGGCTTCAAGATGTCCTGCATGAAGAAAGCAGTTATTCCA
GAAGCTGTTGTGGAAGTTTTAGATCCGAAGACTCTTATTTCAGAACCTTGTGGTATTAAG
CATATAGATTGCCATACGACGTCTATCTCAGATTTGGAATTTTCATCAGATTTTACCGTG
AAAATCACAAGGACATCCATGTGCACGGCAATTGCTGGCTACTTTGATATATATTTTGAG
AAGAATTGCCACAACAGGGTCGTGTTCTCTACGGGCCCTCAGAGCACCAAAACACACTGG
AAACAAACAGTATTTCTACTGGAAAAACCATTTTCAGTTAAAGCAGGTGAAGCCTTGAAA
GGAAAGGTCACAGTTCACAAGAATAAGAAAGATCCACGTTCTCTCACCGTGACCCTCACG
TTGAATAATTCAACTCAAACTTATGGTCTCCAGTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for AF059531 unedited
CGCGCCGGGCGTNAGCAGATANTTATCCCCCCCGGGGTTGAGGATTTGTAATACNACTAC
TATAGGCGGCCGCGCATTCGGCACGACCACACCTGTGCTCGTTAGCGTCAGGCGCTACCG
GCGGCCGGGGCGCTGTGGAGAATGAGGAGGACCTGCCAGAACTGTCGGACAGCGGGGACG
AGGCCGCCTGGGAGGATGAGGACGATGCAGATCTCCCCCACGGCAAGCAGCAGACCCCCT
GCCTGTTCTGTAACAGGTTATTCACATCTGCTGAAGAAACATTTTCACACTGTAAGTCTG
AGCATCAGTTTAATATTGACAGCATGGTTCATAAACATGGACTTGAATTTTATGGATACA
TTAAGCTAATAAATTTTATTAGACTTAAGAATCCTACAGTTGAGTACATGAATTCCATAT
ACAACCCAGTGCCTTGGGAGAAAGAAGAGTATTTGAAGCCAGTATTAGAAGATGACCTTT
TACTTCAATTTGATGTAGAAGATCTTTATGAACCGGTGTCAGTACCCTTCTCATACCCCA
ATGGACTCAGTGAAAATACATCTGTTGTTGAAAAATTGAAACATATGGAAGCCAGGGCAC
TGTCTGCTGAAGCCGCATTGGCCAGAGCACGTGAGGATCTGCAAAAAATGAAACAATNTG
CTCAGGATTTTGTGATGCACACAGATGTCAGAACCTGCTCGTCATCTACTAGTGTCATTG
CGGACCTNNCAGGAGATGANGATGGTGTTTATTTCAGCTCATACGGGCATTATGGGATAC
ATGANGAAATGCTAAAGGACANAATACGAACAGAAAGCTACCGAGATTTCATATACCANA
ATCCACATATCTTCAAAGACANGGTAGTTNTGGATGTTGGGTGTGGAACTGGNAATCTCT
CTATGTTTGCTGCTTAAGCTGGGGCGAAAAAAGTTCCTGGNAGTTGATCAATCTGAATAC
TTTACCCAGCATGATATTTATAGACTAAATAN

3' Read Nucleotide Sequence:

>OriGene 3' read for AF059531 unedited
NAAGGTACACTATGNACGCGGCCGCAATCTATGATCGGTTTTTTTTTTTTTTTTTTACAT
TTTATTAAAATTTTATTCTACATTTCAAATTGAATCAGTAATTGTAAATGACAACTTTAT
AGACTGCTTAGTAACAGTTACATGTTTAACCTTTGCACATAAATCTGGTTTGAAAAAGAT
AATACGTTAGTAAATAAGTACATATTTATCCCAATCTTTAAAAACTTTCATGAAACCTAG
GATAAATGTATTGAAATTAGATTTCCTGGGCAGTACTAGAAATCTATAAGGCTAAGGAAT
AGTCACAAAGAGGGAAGAAACTACAAAATGAGAACCCTAAGTATGCTAGATAATCAACTA
GGCTGTCTGCATATATGATTTGTATATGAAGGCTGAAGCTCTTTTCCATATTTTAGTTTT
TTTATACAAATCTTTATTACATCCTGATTTTCTAGCAAATACAATTAATAACTCCTCCTC
AGAGGAGTCCATAATAAAATGTGTAGTACCTGTGTTACTAGTTTAATAAAATATCCAAAT
AACTAACCAATTTGTTTAAAATTTATAGTAAGAAACTTATTAAAAACAAAAGACTATCTC
TCTTCCAAATATAGGCCAATGTAAATGATTTTCAATATAGATAAACTCAATGTGGGAGTT
ACATTTTGGTTAAATCTGGTGGAGCAAACGTCTAAGAAATGATTACGTGGCAGACCATTG
AGATCAGCTGATTCTCTTCCTCAGCTGAACTATGTCAGATTCCCACAATGAGGACTTCTC
TCTTATTGAGGAGCTCATTTAGAAAGGGTCATAATCCATCCTTCTGCTCACATAAAACAG
CTCCCTCTGCTGACC

Restriction Sites: NotI-NotI

ACCN: AF059531

Insert Size: 2500 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: AF059531.1, AAC39837.1

RefSeq Size: 2442 bp

RefSeq ORF: 2442 bp

Locus ID: 10196

Cytogenetics: 11p15.1

Protein Families: Druggable Genome

Gene Summary: This gene belongs to the protein arginine methyltransferase (PRMT) family. The encoded enzyme catalyzes the methylation of guanidino nitrogens of arginyl residues of proteins. The enzyme acts on 40S ribosomal protein S2 (rpS2), which is its major in-vivo substrate, and is involved in the proper maturation of the 80S ribosome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]