

Product datasheet for **SC321145**

PRMT3 (NM_005788) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRMT3 (NM_005788) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRMT3
Synonyms:	HRMT1L3
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_005788.1
 GGGGAAGCGATTGCGAGCCAGCGCGCGCTTCGGCGTCCCGGCGGTCTGCGAAGTTTC
 CGGAGCCCCGGTCCC GCCCGGGTTTCGCGCTTGCTCGCGCTCGTTCCTGGAGTCGGCG
 GCCGCTGCGCGCGCTCGTTGCCAACCCGGTCCCCGCCCCAGACACGCCGGGCTCTCGG
 GGCACCACAGCCATGTGCTCGTTAGCGTCAGGCGCTACCGGCGGCGGGGCGCTGTGGAG
 AATGAGGAGGACCTGCCAGAAGTGTGCGACAGCGGGACGAGGCCCGCTGGGAGGATGAG
 GACGATGCAGATCTCCCCACGGCAAGCAGCAGACCCCTGCCTGTTCTGTAAACAGGTTA
 TTCACATCTGCTGAAGAAACATTTTCACACTGTAAGTCTGAGCATTAGTTAATATTGAC
 AGCATGGTTCATAAACATGGACTTGAATTTTATGGATACATTAAGCTAATAAATTTTATT
 AGACTTAAGAATCCTACAGTTGAGTACATGAATTCATATACAACCCAGTGCCTTGGGAG
 AAAGAAGAGTATTTGAAGCCAGTATTAGAAGATGACCTTTTACTTCAATTTGATGTAGAA
 GATCTTTATGAACCGGTGTCAGTACCCTTCTCATACCCAATGGACTCAGTGAATAACA
 TCTGTTGTTGAAAAATTGAAACATATGGAAGCCAGGGCACTGTCTGCTGAAGCCGATTG
 GCCAGAGCACGTGAGGATCTGCAAAAAATGAAACAATTTGCTCAGGATTTTGTGATGCAC
 ACAGATGCAGAACCTGCTCGTACTACTAGTGCATTGCGGACCTCCAGGAGGATGAG
 GATGGTGTATTTTACAGCTCATACGGGCATTATGGGATACATGAAGAAATGCTAAAGGAC
 AAAATACGAACAGAAAGCTACCGAGATTTTATATACAAAATCCACATATCTTCAAAGAC
 AAGGTAGTTTTGGATGTTGGGTGTGAACTGGAATTTCTCTATGTTTGGCTGCTAAAGCT
 GGGGCGAAGAAGTTCCTGGAGTTGATCAATCTGAAATACTTTACCAGGCAATGGATATT
 ATAAGACTAAATAAACTGAAGATACTATTACACTAATTAAGGAAAGATTGAAGAAGTT
 CATCTTCTGTAGAAAAAGTAGATGTTATCATATCTGAGTGGATGGGCTATTTTCTTCTG
 TTTGAGTCTATGTTAGATTCTGTCCTTTATGCAAAGAACAATACTTTGGCAAAAGGAGGC
 TCGGTACCCCTGACATTTGCACTATCAGCCTTGTAGCAGTGTGATGATGAATAAACAT
 GCTGATAGAATTGCTTTTTGGGATGATGTCTATGGCTTCAAGATGCTCTGCATGAAGAAA
 GCGATTTTCCAGAAGCTGTTGTGGAAGTTTTAGATCCGAAGACTCTTATTTCCAGAACCT
 TGTGGTATTAAGCATATAGATTGCCATACGACGCTATCTCAGATTTGGAATTTTTCATCA
 GATTTTACCCTGAAAAATCACAAGGACATCCATGTGCACGGCAATTGCTGGCTACTTTGAT
 ATATATTTGAGAAGAATTGCCACAACAGGGTCGTGTTCTACGGGCCCTCAGAGCACC
 AAAACACACTGGAACAAACAGTATTTCTACTGGAAAAACCATTTTTCAGTTAAAGCAGGT
 GAAGCCTTGAAGGAAAGGTCACAGTTCACAAGAATAAGAAAGATCCACGTTCTCTCACC
 GTGACCCTCACGTTGAATAATTTCAACTCAAATTTATGGTCTCCAGTGAACAGCCATAAA
 AGCACACTACCTGTAGTTTTAATGTGGGGTAGAGTGGGTGAGCAGGAGGGAGCTGGT
 TTTATGTGAGCAGATGGATGGATGATGGACCCTTCTCAATGAGCCTCCTCAATAAGAGA
 GAAGTTCTCATTGTGGGAATCTGACATAGTTTACGCTGAGGAAGAGAATCAGCTGATCCTC
 ATGGTCTGCCACGTAATCATTCTTAGACGTTTGTCCACCAGATTTAACCAATGTAA
 CTCCCACATTGAGTTTATCTATATTGAAAAATCATTACATTGGCCTATATTTGGAAGAGA
 GATAGTCTTTTGTAAAAAAGTTTCTACTATAAATTTTAAACAAATTTGGTTAGTTAT
 TTGGATATTTTAACTAGTAACACAGGTAACACATTTTATTATGGACTCCTCTGA
 GGAGGAGTTTTAATTGATTTGCTAGAAAAATCAGGATGTAATAAGATTTGTATAAAA
 AACTAAAATATGAAAAGAGCTTCAGCCTTCATATACAAATCATATATGCAGACAGCCTA
 GTTGATTATCTAGCATACTTAGGGTTCTCATTGTTGATTTTCTCCCTTTTGTGACTAT
 TCCTTAGCCTTATAGATTTCTAGTACTGCCAGGAAATCTAATTTCAATACATTTATCCT
 AGGTTTCATGAAAGTTTTAAAGATTGGGATAAATATGTACTTATTTACTAACGTATTAT
 CTTTTTCAAACCAGATTTATGTGCAAAGGTTAAACATGTAAGTACTAAGCAGTCTAT
 AAAGTTGCATTTACAATTAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_005788

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_005788.1</u> , <u>NP_005779.1</u>
RefSeq Size:	2632 bp
RefSeq ORF:	1596 bp
Locus ID:	10196
UniProt ID:	<u>O60678</u>
Cytogenetics:	11p15.1
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>