

## Product datasheet for **SC325100**

### PRMT3 (NM\_001145167) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PRMT3 (NM_001145167) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRMT3
Synonyms:	HRMT1L3
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001145167, the custom clone sequence may differ by one or more nucleotides ATGGTTCATAAACATGGACTTGAATTTTATGGATACATTAAGCTAATAAATTTTATTAGA CTTAAGAATCCTACAGTTGAGTACATGAATTCCATATACAACCCAGTGCCTTGGGAGAAA GAAGAGTATTTGAAGCCAGTATTAGAAGATGACCTTTTACTTCAATTTGATGTAGAAGAT CTTTATGAACCGGTGTCAGTACCCTTTCATACCCCAATGGACTCAGTAAAAATACATCT GTTGTTGAAAAATTGAAACATATGGAAGCCAGGGCACTGTCTGCTGAAGCCGCATTGGCC AGAGCACGTGAGGATCTGCAAAAAATGAAACAATTTGCTCAGGATTTTGTATGCACACA GATGTCAGAACCTGCTCGTCATCTACTAGTGCATTGCGGACCTCCAGGAGGATGAGGAT GGTGTATTTTACAGCTCATACGGGCATTATGGGATACATGAAGAAATGCTAAAGGACAAA ATACGAACAGAAAGCTACCGAGATTTTCATATACCAAAATCCACATATCTTCAAAGACAAG GTAGTTTTGGATGTTGGGTGTGGAAGTGAATTTCTCTATGTTTGTCTGCTAAAGCTGGG GCGAAGAAGGTTCTTGGAGTTGATCAATCTGAAATACTTTACCAGGCAATGGATATTATA AGACTAAATAAACTTGAAGATACTATTACACTAATTAAGGAAAGATTGAAGAAGTTCAT CTTCTGTAGAAAAAGTAGATGTTATCATATCTGAGTGGATGGGCTATTTTCTTCTGTTT GAGTCTATGTTAGATTCTGTCTTTATGCAAAGAACAAATACTTGGCAAAAGGAGGCTCG GTCTACCCTGACATTTGCACTATCAGCCTTGAGCAGTGAGTGTGAATAAACATGCT GATAGAATTGCTTTTGGGATGATGTCTATGGCTTCAAGATGTCCTGCATGAAGAAAGCA GTTATTCAGAAGCTGTTGTGGAAGTTTTAGATCCGAAGACTCTTATTTCAGAACCTTGT GGTATTAAGCATATAGATTGCCATACGACGTCTATCTCAGATTTGGAATTTTCATCAGAT TTTACCCTGAAAAACACAAGGACATCCATGTGCACGGCAATTGCTGGCTACTTTGATATA TATTTTGAAGAAGATTGCCACAACAGGGTCTGTTCTCTACGGGCCCTCAGAGCACCAAA ACACACTGGAAACAAACAGTATTTCTACTGAAAAACATTTTTCAGTTAAAGCAGGTGAA GCCTTGAAAGGAAAGTACAGTTCACAAGAATAAGAAAGATCCACGTTCTCTCACCGTG ACCCTCACGTTGAATAATTCAACTCAAACCTTATGGTCTCCAG
Restriction Sites:	Please inquire
ACCN:	NM_001145167



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001145167.1, NP_001138639.1</u>
<b>RefSeq Size:</b>	2607 bp
<b>RefSeq ORF:</b>	1365 bp
<b>Locus ID:</b>	10196
<b>Cytogenetics:</b>	11p15.1
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<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 (3) is missing a coding exon at the 5' end compared to transcript variant 1. This results in translation initiation from an in-frame downstream AUG by leaky scanning, and a shorter isoform (3) with a truncated N-terminus compared to isoform 1.</p>