

## Product datasheet for **SC332413**

### PRMT8 (NM\_001256536) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PRMT8 (NM\_001256536) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** PRMT8  
**Synonyms:** HRMT1L3; HRMT1L4  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC332413 representing NM\_001256536.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGAGTCTCTGGCTTCAGATGGATTCAAGCTGAAAGAGGTTTCTTCTGTGAACAGCCCCCTCCAG
CCCCCCAGCCCGTCGTCCCTGCTAAGCCCGTGAATGCGTCCATCATGTGTCCACTCAACCCAGCTGC
CCAGGACGGGCAAGATGTCCAAGCTGCTGAACCCAGAGGAGATGACCTCGAGAGATTACTTTCGAC
TCCTATGCCCACTTTGGGATCCACGAGGAAATGCTGAAGGATGAGGTGCGGACTCTCACTTACCGGAAC
TCCATGTACCACAACAAGCACGTGTTCAAGGACAAAGTGGTACTGGATGTGGGGAGTGGTACTGGGATC
TTTCCATGTTTCGCTGCCAAGGCAGGGGCAAGAAGGTGTTTGGGATCGAATGCTCCAGTATTTCTGAC
TACTCAGAGAAGATCATTAAAGGCCAACCTTGGACAACATCATCACCATATTTAAGGGTAAAGTGGAA
GAGGTGGAGCTGCCTGTGGAGAAGTGGACATCATCATCAGCGAGTGGATGGGCTACTGTCTGTTCTAT
GAGTCCATGCTCAACACGGTGTCTTTGCCAGGGACAAGTGGCTGAAACCTGGAGGGCTTATGTTTCCA
GACCGGGCAGCTTTGTACGTGGTAGCGATTGAAGACAGACAGTACAAGGACTTCAAAATCCACTGGTGG
GAGAATGTCTATGGCTTTGACATGACCTGCATCCGGGACGTGGCCATGAAGGAGCCTCTAGTGGACATC
GTGGATCCAAAGCAAGTGGTGACCAATGCCTGTTTGATAAAGGAGGTGGACATTTACACAGTGAAGACG
GAAGAGCTATCGTTCACATCTGCATTCTGCCTGCAGATACAGCGCAACGACTACGTCCACGCCCTGGTC
ACCTATTTTAATTGAATTTACCAAGTGCCACAAGAAAATGGGGTTTTCCACAGCCCCCTGATGCTCCC
TACACCCACTGGAAGCAGACCGTCTTCTACTTGGAAAGATTACCTCACTGTCCGGAGGGGGAGGAAATC
TACGGGACCATATCCATGAAGCCAAATGCCAAAATGTGCGAGACCTCGATTTACAGTAGACTTGGAT
TTTAAGGGACAGCTGTGTGAAACATCTGTATCTAATGACTACAAAATGCGTTAG
  
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001256536  
**Insert Size:** 1158 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).



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<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>	<a href="#">NM_001256536.1</a>
<b>RefSeq Size:</b>	1995 bp
<b>RefSeq ORF:</b>	1158 bp
<b>Locus ID:</b>	56341
<b>UniProt ID:</b>	<a href="#">Q9NR22</a>
<b>Cytogenetics:</b>	12p13.32
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	44.2 kDa
<b>Gene Summary:</b>	<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 (2) uses an alternate 5' exon and it thus differs in the 5' UTR and 5' coding region, compared to variant 1. The resulting isoform (2) has a distinct N-terminus and is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>