

Product datasheet for **SC332169**

PCMT1 (NM_001252053) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PCMT1 (NM_001252053) Human Untagged Clone
Tag: Tag Free
Symbol: PCMT1
Synonyms: PIMT
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332169 representing NM_001252053.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCCGGGAGCGCGCAGTGGCGGCAGCGGGCGGACGGCAGTAACAGCGGCAGCTACAGCGGGGACGCG  
AGCGGGGGCGGTGACGGTGTGGGAGGTGGTCTCACTCTTGGGAAAAGTGGTGGGCACCGTCGTCGCGCTG  
AAGGTGGTTCTGTACCTGCTCCGAGTGTGCTTAGCGATGGCCTGGAAATCCGGCGGCGCCAGCCACTCG  
GAGCTAATCCACAATCTCCGAAAAATGGAATCATCAAGACAGATAAAGTATTTGAAGTGATGCTGGCT  
ACAGACCGCTCCCACTATGCAAAATGTAACCCATACATGGATTCTCCACAATCAATAGGTTTCCAAGCA  
ACAATCAGTGCTCCACACATGCATGCATATGCGCTAGAACTTCTATTTGATCAGTTGCATGAAGGAGCT  
AAAGCTCTTGATGTAGGATCTGGAAGTGAATCCTTACTGCATGTTTTGCACGTATGGTTGGATGTACT  
GGAAAAGTCATAGGAATTGATCACATTAAGAGCTAGTAGATGACTCAGTAAATAATGTCAGGAAGGAC  
GATCCAACACTTCTGTCTTCAGGGAGAGTACAGCTTGTGTGGGGGATGGAAGAATGGGATATGCTGAA  
GAAGCCCCTTATGATGCCATTATGTGGGAGCTGCAGCCCTGTTGTACCCAGGCGCTAATAGATCAG  
TTAAAGCCCGGAGGAAGATTGATATTGCCTGTTGGTCTGCAGGCGGAAACCAATGTTGGAGCAGTAT  
GACAAGCTACAAGATGGCAGCATCAAAATGAAGCCTCTGATGGGGGTGATATACGTGCCTTAAACAGAT  
AAAGAAAAGCAGTGGTCCAGGTGGAAGTGA
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Restriction Sites: Sgfl-Mlul
ACCN: NM_001252053
Insert Size: 858 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).



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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_001252053.1</u>
RefSeq Size:	1065 bp
RefSeq ORF:	858 bp
Locus ID:	5110
UniProt ID:	<u>P22061</u>
Cytogenetics:	6q25.1
Protein Families:	Druggable Genome
MW:	30.3 kDa
Gene Summary:	<p>This gene encodes a member of the type II class of protein carboxyl methyltransferase enzymes. The encoded enzyme plays a role in protein repair by recognizing and converting D-aspartyl and L-isoaspartyl residues resulting from spontaneous deamidation back to the normal L-aspartyl form. The encoded protein may play a protective role in the pathogenesis of Alzheimer's disease, and single nucleotide polymorphisms in this gene have been associated with spina bifida and premature ovarian failure. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Oct 2011]</p> <p>Transcript Variant: This variant (6) differs in the 3' UTR compared to variant 1. Variants 1 and 6 encode the same isoform (1).</p>