

Product datasheet for SC319500

PCMT1 (NM_005389) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PCMT1 (NM_005389) Human Untagged Clone
Tag: Tag Free
Symbol: PCMT1
Synonyms: PIMT
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_005389.1
GGAGGTGGTCTCACTCTTGGGAAAACCTGCTGGGCACCGTCGTCGCGCTGAAGGTGGTTCT
GTACCTGCTCCGAGTGTGCTTAGCGATGGCCTGGAAATCCGGCGGCCAGCCACTCGGA
GCTAATCCACAATCTCCGCAAAAATGGAATCATCAAGACAGATAAAGTATTTGAAGTGAT
GCTGGCTACAGACCGCTCCCACTATGCAAAATGTAACCCATACATGGATTCTCCACAATC
AATAGGTTTCCAAGCAACAATCAGTGCTCCACACATGCATGCATATGCGCTAGAATTCT
ATTTGATCAGTTGCATGAAGGAGCTAAAGCTCTTGATGTAGGATCTGGAAGTGAATCCT
TACTGCATGTTTTGCACGTATGGTTGGATGTACTGGAAAAGTCATAGGAATTGATCACAT
TAAAGAGCTAGTAGATGACTCAATAAATAATGTCAGGAAGGACGATCCAACACTTCTGTC
TTCAGGGAGAGTACAGCTTGTGTGGGGATGGAAGAATGGGATATGCTGAAGAAGCCCC
TTATGATGCCATTCATGTGGGAGCTGCAGCCCCGTTGTACCCAGGCGCTAATAGATCA
GTTAAAGCCCGGAGGAAGATTGATATTGCCTGTTGGTCCTGCAGGCGGAAACCAAATGTT
GGAGCAGTATGACAAGCTACAAGATGGCAGCATCAAAATGAAGCCTCTGATGGGGTGAT
ATACGTGCCTTTAACAGATAAAGAAAAGCAGTGGTCCAGGTGGAAGTGATTTTATCTTCT
GCTCTTTCTTCTCCACACATGCAAGGGATGAATTGTAAGCAACATCAGCTTGACCAG
TATAAAATTACAGTGGATTGCTCATCTCAGTCCTCAAAGCTTTTTGAAAACCAACACCAT
CACAGCTGTTTTGGACTTTGTTACTGTTATTTTTCAGCATGAAAATGTGTGTTTTTTT
AGGTTTTCTGATTCTTCAAAGAGGCACAGACCAAAATGGTAGAGGAAGGATGCAAAGTA
TAAATTTGTGTAATATTACTTTAACATGCCCATATTTTACTTGGAAATATTAAGAAAG
GGTTCTGTAATAATGGAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_005389



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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:	NM_005389.1 , NP_005380.1
RefSeq Size:	1751 bp
RefSeq ORF:	684 bp
Locus ID:	5110
UniProt ID:	P22061
Cytogenetics:	6q25.1
Domains:	PCMT
Protein Families:	Druggable Genome
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 (1) represents the longest transcript. Variants 1 and 6 encode the same isoform (1).</p>