

## Recombinant Human PCMT1, His-tagged

Cat. No. PCMT1-704H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human PCMT1 protein, fused to His-tag at N-terminus, was expressed in <i>E. coli</i> and purified by using conventional chromatography techniques. MW = 28.8 kDa (263aa).
<b>Species</b>	Human
<b>Source</b>	<i>E. coli</i>
<b>Description</b>	PCMT1, also known as L-isoaspartyl protein carboxyl methyltransferase, is an enzyme that catalyses the methyl esterification of L-isoaspartyl and D-aspartyl residues in peptides and proteins that result from spontaneous decomposition of normal L-aspartyl and L-asparaginyl residues. This protein plays a role in the repair and/or degradation of damaged proteins.
<b>Form</b>	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl.
<b>Purity</b>	> 95% by SDS – PAGE.
<b>Concentration</b>	1 mg/ml (determined by Bradford assay).
<b>Sequences Of Amino Acids</b>	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMAWK SGGASHSELI HNLRKNGIIK TDKVFEVMLA TDRSHYAKCN PYMDSPQSIG FQATISAPHM HAYALELLFD QLHEGAKALD VGSGSGILTA CFARMVGCTG KVIGIDHIKE LVDDSINNVK KDDPTLLSSG RVQLVVGDR MGYAEEAPYD AIHVGAAAPV VPQALIDQLK PGGRILPVG PAGGNQMLEQ YDKLQDGSIK MKPLMGVIYV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

PLTDKEKQWS RWK.

**Storage**

can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**GENE INFORMATION**

**Gene Name**

[PCMT1 protein-L-isoaspartate \(D-aspartate\) O-methyltransferase \[ Homo sapiens \]](#)

**Synonyms**

protein-L-isoaspartate (D-aspartate) O-methyltransferase; PCMT1; protein-L-isoaspartate(D-aspartate) O-methyltransferase; PIMT; OTTHUMP00000017397; OTTHUMP00000017398; OTTHUMP00000017400; protein-beta-aspartate methyltransferase; L-isoaspartyl/D-aspartyl methyltransferase; L-isoaspartyl protein carboxyl methyltransferase; protein L-isoaspartyl/D-aspartyl methyltransferase;protein-L-isoaspartate (D-aspartate) O-methyltransferase 1; Protein-beta-aspartate methyltransferase; Protein L-isoaspartyl/D-aspartyl methyltransferase; EC 2.1.1.77

**Gene ID**

[5110](#)

**mRNA Refseq**

[NM\\_005389](#)

**Protein Refseq**

[NP\\_005380](#)

**MIM**

[176851](#)

**UniProt ID**

[P22061](#)

**Chromosome Location**

6q24-q25

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**Function**

identical protein binding; methyltransferase activity; protein binding; transferase activity; protein-L-isoaspartate (D-aspartate) O-methyltransferase activity

**PDB rendering based on 1i1n.**



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