

Recombinant Human PCMT1, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human PCMT1 protien, 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).
Species	Human
Source	E.coli
Description	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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl.
Purity	> 95% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMARK SGGASHSELI HNLRKNGIIK TDKVFEVMLA TDRSHYAKCN PYMDSPQSIG FQATISAPHM HAYALELLFD QLHEGAKALD VGSGSGILTA CFARMVGCTG KVIGIDHIKE LVDDSIINVR KDDPTLLSSG RVQLLVGDGR MGYAEEAPYD AIHVGAAAPV VPQALIDQLK PGGRILPVG PAGGNQMLEQ YDKLQDGSIK MKPLMGVIYV

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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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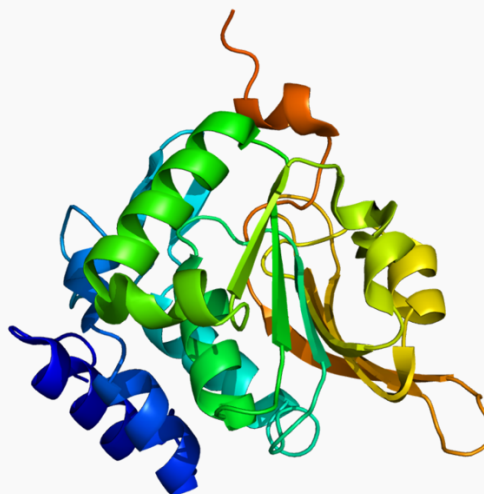
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Function

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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