

PCMT recombinant protein

PCMT, 1-227aa, Human, His tag, E Coli

CATALOG # AAA48643	HOST E Coli	APPLICATIONS SDS-Page
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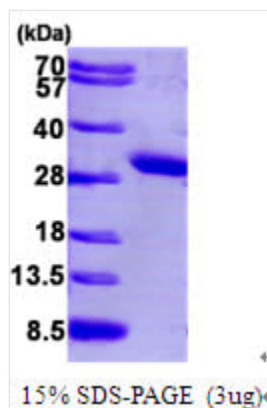
PRODUCT SYNONYMS

PCMT; 1-227aa; Human; His tag; E Coli; Protein-L-isoaspartate O-methyltransferase; Protein-L-isoaspartate O-methyltransferase L isoaspartyl protein carboxyl methyltransferase; L isoaspartyl/D aspartyl methyltransferase; PCMT 1; PIMT; Protein beta aspartate methyltransferase; Protein L isoaspartate (D aspartate) O methyltransferase; Protein L isoaspartyl/D aspartyl methyltransferase; ; PCMT recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol 0.1M NaCl
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMAWK SGGASHSELI HNLRKNGIIK TDKVFEVMLA TDRSHYAKCN PYMDSPQSIG FQATISAPHM HAYALELLFD QLHEGAKALD VGSGSGILTA CFARMVGCTG KVIGIDHIKE LVDDSIINNVR KDDPTLLSSG RVQLVVGDR MGYAEEAPYD AIHVGAAAPV VPQALIDQLK PGGRLILPVG PAGGNQMLEQ YDKLQDGSIK MKPLMGVIYV PLTDKEKQWS RWK
Sequence Length	227
Applicable Applications for PCMT recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3 ug by SDS-PAGE under reducing conditions and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for PCMT recombinant protein	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. Recombinant human PCMT1 protien, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for PCMT recombinant protein	Enzymes & Proteases
References	Kagan RM., et al. (1997) Comp Biochem Physiol B Biochem Mol Biol. 117 (3):379-85.

NCBI AND UNIPROT INFORMATION

NCBI GI #	14250587
NCBI GeneID	5110
Molecular Weight	28.8 kDa (263aa) confirmed by MALDI-TOF
NCBI Official Full Name	Protein-L-isoaspartate (D-aspartate) O-methyltransferase
NCBI Official Synonym Full Names	protein-L-isoaspartate (D-aspartate) O-methyltransferase
NCBI Official Symbol	PCMT1
NCBI Official Synonym Symbols	PIMT
NCBI Protein Information	protein-L-isoaspartate(D-aspartate) O-methyltransferase
UniProt Protein Name	Protein-L-isoaspartate(D-aspartate) O-methyltransferase
UniProt Gene Name	PCMT1
UniProt Synonym Gene Names	PIMT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/pcmt1-recombinant-protein-e-coli-sds-page/48643>