

Product datasheet for **AR09515PU-N**

PCMT1 / PIMT (1-227, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	PCMT1 / PIMT (1-227, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MRGSHHHHHH</u> <u>GMASMTGGQQ</u> <u>MGRDLYDDDD</u> <u>KDRWGSM</u> AWK SGGASHSELI HNLRKNGIIK TDKVFVEVMLA TDRSHYAKCN PYMDSPQSIG FQATISAPHM HAYALELLFD QLHEGAKALD VGSGSGILTA CFARMVGCTG KVIGIDHIKE LVDDSINNVR KDDPTLLSSG RVQLVVGDGR MGYAEAPYD AIHVGAAPV VPQALIDQLK PGGRLILPVG PAGGNQMLEQ YDKLQDGSIK MKPLMGVIYV PLTDKEKQWS RWK
Tag:	His-tag
Predicted MW:	28.8 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.1 M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human PCMT1 protien, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001238978</u>
Locus ID:	5110
UniProt ID:	<u>P22061</u> , <u>H7BY58</u>
Cytogenetics:	6q25.1
Synonyms:	PIMT



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Summary:

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]

Protein Families:

Druggable Genome

Product images: