

## PCMT1 Human

**Description:**PCMT1 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 263 amino acids (1-227 a.a.) and having a molecular mass of 28.8 kDa. The PCMT1 is fused to 36 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Catalog #:ENPS-529

For research use only.

**Synonyms:**EC 2.1.1.77, PIMT, PCMT1, Protein-beta-aspartate methyltransferase, Protein L-isoaspartyl/D-aspartyl methyltransferase, L-isoaspartyl protein carboxyl methyltransferase.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile filtered colorless solution.

**Amino Acid Sequence:**RGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMWK  
SGGASHSELI HNLRKNGIIK TDKVFEVMLA TDRSHYAKCN PYMDSPQSIG FQATISAPHM  
HAYALELLFD QLHEGAKALD VGSGSGILTA CFARMVGCTG KVIIGDHIKE LVDDSINNVR  
KDDPTLLSSG RVQLVVG DGR MGYAEEAPYD AIHVGAAAPV VPQALIDQLK PGGRLILPVG  
PAGGNQMLEQ YDK

**Purity:**Greater than 95.0% as determined by SDS-PAGE.

**Formulation:**

PCMT1 Human solution containing 20mM Tris HCL pH-8, 0.1M NaCl, & 10% glycerol.

**Stability:**

PCMT1 Human although stable at 4°C for 1 week, should be stored desiccated below -18°C.  
Please prevent freeze thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

PCMT1 enzyme 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. PCMT1 is involved in the repair and/or degradation of damaged proteins.

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