
Product Data Sheet

Product Name: PCMT1 Human
 Cat. No.: GP22051
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	EC 2.1.1.77; PIMT; PCMT1; Protein-beta-aspartate methyltransferase; Protein L-isoaspartyl/D-aspartyl methyltransferase; L-isoaspartyl protein carboxyl methyltransferase.		
Amino Acid Sequence	RGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMAWK SGGASHSELI HNLRKNGIIK TDKVFEVMLA TDRSHYAKCN PYMDSPQSIG FQATISAPHM HAYALELLFD QLHEGAKALD VGSGSGILTA CFARMVGCTG KVIGIDHIKE LVDDSIINVR KDDPTLLSSG RVQLVVG DGR MGYAEEAPYD AIHVGAAAPV VPQALIDQLK PGGRLILPVG PAGGNQMLEQ YDKLQDGSIK MKPLMGVIYV PLTDKEKQWS RWK.		
Formulation	PCMT1 Human solution containing 20mM Tris-HCl pH-8, 0.1M NaCl, & 10% glycerol.		

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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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The PCMT1 is fused to a 36 amino acids His-Tag at N-terminus and purified by proprietary chromatographic techniques.

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