

Recombinant Full Length Human PCMT1 Protein, C-Flag-tagged

Cat. No. PCMT1-1978HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PCMT1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	30.1 kDa
AA Sequence	MAWKSGGASHSELIHNLRKNGIIKTDKVFVEMLATDRSHYAKCNPYMDSPQSIGFQA TISAPMHAYALE LLFDQLHEGAKALDVGSGSGILTACFARMVGCTGKVGIDHIKEL VDDSINNVRKDDPTLLSSGRVQLVV GDGRMGYAEAPYDAIHVGAAAPVVPQALID QLKPGGRLILPVGPAAGNQMLEQYDKLQDGSIKMKPLMG VIYVPLTDKEKQWSRW

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

K TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

Gene Name	PCMT1 protein-L-isoaspartate (D-aspartate) O-methyltransferase [Homo sapiens (human)]
Official Symbol	PCMT1
Synonyms	PIMT
Gene ID	5110
mRNA Refseq	NM_005389.2

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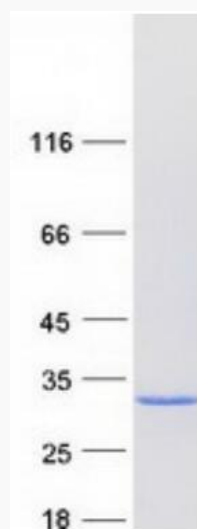
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Protein Refseq [NP_005380.2](#)

MIM [176851](#)

UniProt ID [P22061](#)



Coomassie blue staining of purified PCMT1 protein.

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