

Recombinant Human PCMT1

Cat. No. PCMT1-30554TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PCMT1 expressed in <i>Saccharomyces cerevisiae</i> ; 227 amino acids, MWt 24.6 kDa. Protein is tagged with 26 kDa proprietary tag.
Species	Human
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 Alzheimers 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	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 30% Glycerol, 0.5% Triton-X-100, 50mM HEPES, 30mM Glutathione, 100mM Sodium chloride, 1mM DTT, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequences of amino acids	MAWKSGGASHSELIHNLRLKNGIIKTDKVFVEMLATDRSHY AKCNPYMDSPQSIGFQ ATISAPMHAYALELLFDQLHE GAKALDVGSGSGILTACFARMVGCTGKVGIDHIKE

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LV DDSVNNVRKDDPTLLSSGRVQLVVG DGRMGY AEEAPYDAI HVGAAAPVVPQAL
IDQLKPGGRLILPVGPAGGNQMLEQ YDKLQDGSIKMKPLMGVIYVPLTDKEKQWSR
WK

Full Length Full L.

GENE INFORMATION

Gene Name [PCMT1 protein-L-isoaspartate \(D-aspartate\) O-methyltransferase \[Homo sapiens \]](#)

Official Symbol [PCMT1](#)

Synonyms PCMT1; protein-L-isoaspartate (D-aspartate) O-methyltransferase; protein-L-isoaspartate(D-aspartate) O-methyltransferase;

Gene ID [5110](#)

mRNA Refseq [NM_001252049](#)

Protein Refseq [NP_001238978](#)

MIM [176851](#)

Uniprot ID [P22061](#)

Chromosome Location 6q22.3-q24

Function protein-L-isoaspartate (D-aspartate) O-methyltransferase activity; transferase activity;

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