

Product datasheet for PH300327

OriGene Technologies, Inc.

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PCMT1 (NM_005389) Human Mass Spec Standard

Product data:

Product Type: Mass Spec Standards

Description: PCMT1 MS Standard C13 and N15-labeled recombinant protein (NP_005380)

Species:HumanExpression Host:HEK293

Expression cDNA Clone

RC200327

or AA Sequence:

Predicted MW: 24.7 kDa

Protein Sequence: >RC200327 protein sequence

Red=Cloning site Green=Tags(s)

MAWKSGGASHSELIHNLRKNGIIKTDKVFEVMLATDRSHYAKCNPYMDSPQSIGFQATISAPHMHAYALE LLFDQLHEGAKALDVGSGSGILTACFARMVGCTGKVIGIDHIKELVDDSINNVRKDDPTLLSSGRVQLVV GDGRMGYAEEAPYDAIHVGAAAPVVPQALIDQLKPGGRLILPVGPAGGNQMLEQYDKLQDGSIKMKPLMG

VIYVPLTDKEKQWSRWK

TRTRPLEQKLISEEDLAANDILDYKDDDDK**V**

Tag: C-Myc/DDK

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Concentration: >0.05 μg/μL as determined by microplate BCA method

Labeling Method: Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3

Storage: Store at -80°C. Avoid repeated freeze-thaw cycles.

Stability: Stable for 3 months from receipt of products under proper storage and handling conditions.

RefSeq: NP 005380

RefSeq Size: 1751
RefSeq ORF: 681
Synonyms: PIMT
Locus ID: 5110

UniProt ID: P22061, A0A0A0MRJ6





Cytogenetics: 6q25.1

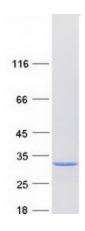
Summary: This gene encodes a member of the type II class of protein carboxyl methyltransferase

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:



Coomassie blue staining of purified PCMT1 protein (Cat# [TP300327]). The protein was produced from HEK293T cells transfected with PCMT1 cDNA clone (Cat# [RC200327]) using MegaTran 2.0 (Cat# [TT210002]).