

Product datasheet for PH300327

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:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200327
Predicted MW:	24.7 kDa
Protein Sequence:	>RC200327 protein sequence Red=Cloning site Green=Tags(s) MAWKSGGASHSELIHNLKNGIIKTDKVFVEMLATDRSHYAKCNPYMDSPQSIGFQATISAPMHAYALE LLFDQLHEGAKALDVGSGSGIL TACFARMVGCTGKVIGIDHIKELVDDSINNVRKDDPTLLSSGRVQLV GDGRMGYAEAPYDAIHVGAAAPVVPQALIDQLKPGGRLILPVGPAAGNQMLEQYDKLQDGSIKMKPLMG VIYVPLTDKEKQWSRWK TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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



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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]).