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Product datasheet for TP300327M

PCMT1 (NM_005389) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protein-L-isoaspartate (D-aspartate) O-methyltransferase (PCMT1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200327 protein sequence Red=Cloning site Green=Tags(s) MAWKSGGASHSELIHNLRKNGIIKTDKVFEVMLATDRSHYAKCNPYMDSPQSIGFQATISAPHMHAYALE LLFDQLHEGAKALDVGSGSGILTACFARMVGCTGKVIGIDHIKELVDDSINNVRKDDPTLLSSGRVQLVV GDGRMGYAEEAPYDAIHVGAAAPVVPQALIDQLKPGGRLILPVGPAGGNQMLEQYDKLQDGSIKMKPLMG VIYVPLTDKEKQWSRWK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	30.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_005380
Locus ID:	5110

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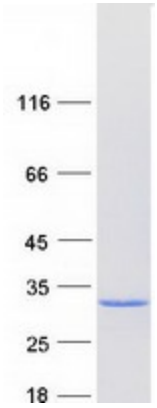
UniProt ID:	P22061, A0A0A0MRJ6
RefSeq Size:	1751
Cytogenetics:	6q25.1
RefSeq ORF:	681
Synonyms:	PIMT
Summary:	This gene encodes a member of the type II class of protein carboxyl methyltransferase enzymes. The encoded enzyme plays a role in protein repair by recognizing and converting D-aspartyl and L-isoaspartyl 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]).