

Product datasheet for PH323190

PEAMT (PEMT) (NM_007169) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PEMT MS Standard C13 and N15-labeled recombinant protein (NP_009100)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC223190
Predicted MW:	22 kDa
Protein Sequence:	>RC223190 representing NM_007169 Red=Cloning site Green=Tags(s) MTRLLGYVDPLDPSFVAAVITITFNPLYWNVVARWEHKTRKLSRAFGSPYLACYSLSVTILLNFLRSHC FTQAMLSQPRMESLDTPAAYSLGLALLGLGVVLVLSFFALGFAGTFLGDYFGILKEARVTVFPFNILDN PMYWGSTANYLGWAIMHASPTGLLLTVLVALTYIVALLYEEPFTAETIYRQKASGSHKRS 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_009100
RefSeq Size:	1008
RefSeq ORF:	597
Synonyms:	PEAMT; PEMPT; PEMT2; PLMT; PNMT
Locus ID:	10400
UniProt ID:	Q9UBM1



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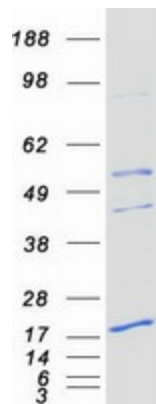
Cytogenetics: 17p11.2

Summary: Phosphatidylcholine (PC) is the most abundant mammalian phospholipid. This gene encodes an enzyme which converts phosphatidylethanolamine to phosphatidylcholine by sequential methylation in the liver. Another distinct synthetic pathway in nucleated cells converts intracellular choline to phosphatidylcholine by a three-step process. The protein isoforms encoded by this gene localize to the endoplasmic reticulum and mitochondria-associated membranes. Alternate splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2012]

Protein Families: Transmembrane

Protein Pathways: Glycerophospholipid metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified PEMT protein (Cat# [TP323190]). The protein was produced from HEK293T cells transfected with PEMT cDNA clone (Cat# [RC223190]) using MegaTran 2.0 (Cat# [TT210002]).