

## Product datasheet for **TP323190L**

### PEAMT (PEMT) (NM\_007169) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phosphatidylethanolamine N-methyltransferase (PEMT), nuclear gene encoding mitochondrial protein, transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC223190 representing NM_007169 Red=Cloning site Green=Tags(s)

MTRLLGYVDPLDPSFVAAVITITFNPLYWNVWARWEHKTRKLSRAFGSPYLACYSLSVTILLNFLRSHC  
FTQAMLSQPRMESLDTPAAYSLGLALLGLGVVLVLSFFALGFAGTFLGDYFGILKEARVTVFPFNILDN  
PMYWGSTANYLGWAIMHASPTGLLLTVLVALTYIVALLYEYPFTAEIYRQKASGSHKRS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	22 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:	<a href="#">NP_009100</a>
Locus ID:	10400
UniProt ID:	<a href="#">Q9UBM1</a>



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RefSeq Size: 1008

Cytogenetics: 17p11.2

RefSeq ORF: 597

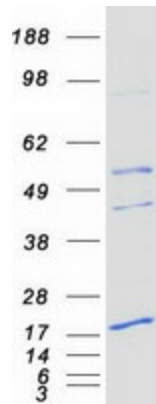
Synonyms: PEAMT; PEMPT; PEMT2; PLMT; PNMT

**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]).