

## Product datasheet for PH306586

### PNMT (NM\_002686) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PNMT MS Standard C13 and N15-labeled recombinant protein (NP_002677)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206586
Predicted MW:	30.9 kDa
Protein Sequence:	>RC206586 protein sequence Red=Cloning site Green=Tags(s)  MSGADRSFNAGAAPDSAPGQAASAVASAYQRFEPRAYLRNNYAPPRGDLCPNGVGPWKLRLCLAQTFATGEV SGRTLIDIGSGPTVYQLLSACSHFEDITMTDFLEVNRQELGRWLQEEPGAFNWSMYSQHAACLIIEGKGECW QDKERQLRARVKRVLPIDVHQPLGAGSPAPLPADALVSAFCLEAVSPDLASFQRALDHITLLRPGGH LLLIGALEESWYLAGEARLTVVPVSEEEVREALVRSGYKVRDLRTYIMPAHLQTVGDDVKGVFFAWAQKV GL  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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_002677</a>
RefSeq Size:	958
RefSeq ORF:	846
Synonyms:	PENT; PNMTase
Locus ID:	5409



[View online »](#)

UniProt ID: [P11086](#)

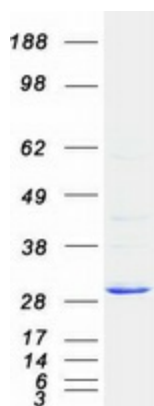
Cytogenetics: 17q12

**Summary:** The product of this gene catalyzes the last step of the catecholamine biosynthesis pathway, which methylates norepinephrine to form epinephrine (adrenaline). The enzyme also has beta-carboline 2N-methyltransferase activity. This gene is thought to play a key step in regulating epinephrine production. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Nov 2012]

**Protein Families:** Druggable Genome

**Protein Pathways:** Metabolic pathways, Tyrosine metabolism

### Product images:



Coomassie blue staining of purified PNMT protein (Cat# [TP306586]). The protein was produced from HEK293T cells transfected with PNMT cDNA clone (Cat# [RC206586]) using MegaTran 2.0 (Cat# [TT210002]).