

Product datasheet for **TP306586L**

PNMT (NM_002686) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phenylethanolamine N-methyltransferase (PNMT), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC206586 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MSGADRSPNAGAAPDSAPGQAAVASAYQRFEPRAYLRNNYAPPRGDLCPNGVGPWKLRLCLAQTFATGEV
SGRTLIDIGSGPTVYQLLSACSHFEDITMTDFLEVNRQELGRWLQEEPFAFNWSMYSQHACLIEGKGECW
QDKERQLRARVKRVLPIDVHQPLGAGSPALPADALVSAFCLEAVSPDLASFQRALDHITLLRPGGH
LLLIGALEESWYLAGEARLTVVPVSEEEVREALVRSQYKVRDLRTYIMPAHLQTVGDDVKGVFFAWAQKV
GL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	30.7 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:	<u>NP_002677</u>
Locus ID:	5409



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UniProt ID: [P11086](#)

RefSeq Size: 958

Cytogenetics: 17q12

RefSeq ORF: 846

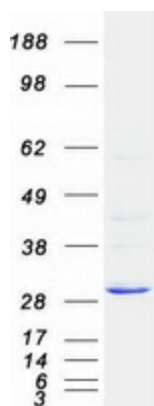
Synonyms: PENT; PNMTase

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]).