

Recombinant Human PNMT Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PNMT-5672H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PNMT MS Standard C13 and N15-labeled recombinant protein (NP_002677) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	30.9 kDa
AA Sequence	MSGADRSPNAGAAPDSAPGQAAVASAYQRFEPRAYLRNNYAPPRGDLCPNGVG PWKLRLCAQTFATGEVSGRTLIDIGSGPTVYQLLSACSHFEDITMTDFLEVNRQELG RWLQEEPGA FNWSMYSQHACLIEGKGECWQDKERQLRARVKRVLPIDVHQPPQL GAGSPAPLPADALVSAFCLEAVSPDLASFQRALDHITTLRPGGHLLLIGALEESWYL AGEARLTVVPVSEEEVREALVRSGYKVRDLRTYIMPAHLQTGVDDVKGVFFAWAQK VGLTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

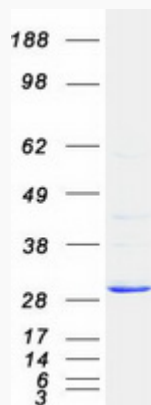
GENE INFORMATION

Gene Name	PNMT phenylethanolamine N-methyltransferase [Homo sapiens (human)]
Official Symbol	PNMT
Synonyms	PNMT; phenylethanolamine N-methyltransferase; PENT; phenylethanolamine N-methylase; noradrenaline N-methyltransferase; PNMTase; MGC34570;
Gene ID	5409
mRNA Refseq	NM_002686
Protein Refseq	NP_002677
MIM	171190
UniProt ID	P11086

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SDS-PAGE

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