

Recombinant Full Length Human PNMT Protein, C-Flag-tagged

Cat. No. PNMT-1440HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PNMT Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	30.7 kDa
AA Sequence	MSGADRSPNAGAAPDSAPGQAAVASAYQRFEPRAYLRNNYAPPRGDLCPNGVG PWKLRLCLAQTFATGEV SGRTLIDIGSGPTVYQLLSACSHFEDITMTDFLEVNRQELG RWLQEEPGA FNWSMYSQHACLIEGKGECW QDKERQLRARVKRVLPIDVHQPPQL GAGSPAPLPADALVSAFCLEAVSPDLASFQRALDHITTLRPGGH LLLIGALEESWYL AGEARLTVVPVSEEEVREALVRSGYKVRDLRTYIMPAHLQGTGVDDVKGVFFAWAQK V GLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Metabolic pathways, Tyrosine metabolism
Full Length	Full L.

GENE INFORMATION

Gene Name	PNMT phenylethanolamine N-methyltransferase [Homo sapiens (human)]
Official Symbol	PNMT
Synonyms	PENT; PNMTase
Gene ID	5409
mRNA Refseq	NM_002686.4
Protein Refseq	NP_002677.1

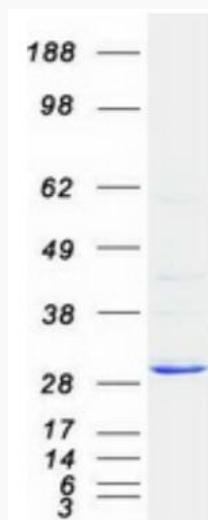
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MIM 171190

UniProt ID P11086



Coomassie blue staining of purified PNMT protein.

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