

Active Recombinant Human PNMT protein, GST-tagged

Cat. No. PNMT-197H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PNMT fused with GST tag at N-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
Description	Phenylethanolamine N-methyltransferase (PNMT) catalyzes the biosynthesis of adrenaline through methylation of phenylethanolamine. PNMT gene is reported to be involved in various human diseases including early-onset Alzheimer disease, Parkinson's disease, and multiple sclerosis. Expression of PNMT can be stimulated by nicotine.
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Bio-activity	170 nmol/min/mg
Molecular Mass	57 kDa
Purity	>95%
Applications	Methyltransferase Assay
Stability	1 year at -70 centigrade from the date of shipment

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Storage Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Concentration 0.1 µg/µl

GENE INFORMATION

Gene Name PNMT phenylethanolamine N-methyltransferase [Homo sapiens]

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

Chromosome Location 17q

Pathway Amine-derived hormones, organism-specific biosystem; Biogenic Amine Synthesis, organism-specific biosystem; Catecholamine biosynthesis, organism-specific biosystem; Catecholamine biosynthesis, tyrosine => dopamine => noradrenaline =>

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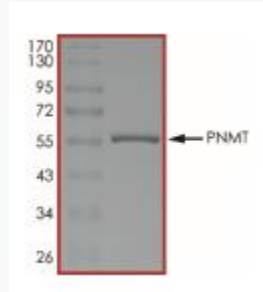
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adrenaline, organism-specific biosystem;

Function

methyltransferase activity; phenylethanolamine N-methyltransferase activity;
transferase activity;



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