Recombinant Human PNMT 293 Cell Lysate

Cat. No. PNMT-3075HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for phenylethanolamine N-methyltransferase (PNMT) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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 => adrenaline, organism-specific biosystem;

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

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