

PNMT recombinant protein

PNMT, 1-282aa, Human, E Coli

CATALOG # AAA48576	HOST E Coli	APPLICATIONS SDS-Page
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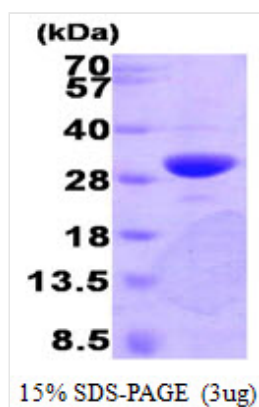
PRODUCT SYNONYMS

PNMT; 1-282aa; Human; E Coli; Phenylethanolamine N-methyltransferase; PENT; PNMTase; Noradrenaline-N-methyltransferase; PNMT recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol
Concentration	1.0 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MSGADRSPNA GAAPDSAPGQ AAVASAYQRF EPRAYLRNNY APPRGDLCNP NGVGPWKLRC LAQTFATGEV SGRTLIDIGS GPTVYQLLSA CSHFEDITMT DFLEVNRQEL GRWLQEEPGA FNWSMYSQHA CLIEGKGECW QDKERQLRAR VKRVLPIDVH QPQLGAGSP APLPADALVS AFCLEAVSPD LASFQRALDH ITTLLRPGGH LLLIGALEES WYLAGEARLT VVPVSEEEVR EALVRSGYKV RDLRTYIMPA HLQTGVDDVK GVFFAWAQKV GL
Sequence Length	282
Applicable Applications for PNMT recombinant protein	SDS-PAGE
Antigen Species	Human
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for PNMT recombinant protein	PNMT, also known as phenylethanolamine N-methyltransferase, is an enzyme found in the adrenal medulla that 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. Recombinant PNMT protein was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for PNMT recombinant protein	Enzymes & Proteases
References	Kaneda N., et al. (1998) Biochem Biophys Res Commun. 249 (2):405-9.; Ji Y., et al. (2005) J. Neurochem. 95:1766-1776.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505921
NCBI GeneID	5409
NCBI Accession #	NP_002677
NCBI GenBank Nucleotide #	NM_002686.4
UniProt Accession #	P11086
Molecular Weight	30.8 Da (282aa), confirmed by MALDI-TOF.
NCBI Official Full Name	phenylethanolamine N-methyltransferase
NCBI Official Synonym Full Names	phenylethanolamine N-methyltransferase
NCBI Official Symbol	PNMT
NCBI Official Synonym Symbols	PENT; PNMTase
NCBI Protein Information	phenylethanolamine N-methyltransferase
UniProt Protein Name	Phenylethanolamine N-methyltransferase
UniProt Gene Name	PNMT
UniProt Synonym Gene Names	PENT; PNMTase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.