

Product information



PNMT, 1-282 aa

Human, Recombinant, *E.coli*

Cat. No. IBATGP0417

Full name: Phenylethanolamine N-methyltransferase

NCBI Accession No.: NP_002677

Synonyms: PENT, PNMTase, Noradrenaline-N-methyltransferase

Description: 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.

| | |
|--|--|
| <p>Form: Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol</p> <p>Molecular Weight: 30.8 Da (282aa)</p> <p>Purity: > 95% by SDS - PAGE</p> <p>Concentration: 1.0 mg/ml (determined by Bradford assay)</p> | <p>(kDa) 70 57 40 28 18 13.5 8.5</p> <p>15% SDS-PAGE (3ug)</p> |
| <p>Sequences of amino acids:</p> <p>MSGADRSPNA GAAPDSAPGQ AAVASAYQRF EPRAYLRNNY APPRGDLCNP NGVGPWKLRC LAQTFATGEV SGRTLIDIGS GPTVYQLLSA CSHFEDITMT DFLEVNRQEL GRWLQEEPGA FNWSMYSQHA CLIEGKGECW QDKERQLRAR VKRVLPIDVH QPQPLGAGSP APLPADALVS AFCLEAVSPD LASFQRALDH ITLLRPGGH LLLIGALEES WYLAGEARLT VVPVSEEEVR EALVRSGYKV RDLRTYIMPA HLQTVGDDVK GVFFAWAQKV GL</p> | |

General references:

Kaneda N., *et al.* (1998) *Biochem Biophys Res Commun.* 249(2):405-9.

Ji Y., *et al.* (2005) *J. Neurochem.* 95:1766-1776.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

Product information



Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.