

## 32-2688: PNMT Recombinant Protein

**Alternative Name :** PENT,PNMTase,Noradrenaline-N-methyltransferase,Phenylethanolamine N-methyltransferase,PNMT,MGC34570.

### Description

Source : Escherichia Coli. Recombinant Human PNMT produced in E.Coli is a single, non-glycosylated polypeptide chain containing 282 amino acids (1-282 a.a.) and having a molecular mass of 30.8 kDa. PNMT is purified by conventional chromatographic techniques. PNMT is an enzyme located in the adrenal medulla and it catalyzes the final step of the catecholamine biosynthesis pathway, which methylates norepinephrine to form epinephrine (adrenaline). PNMT has beta-carboline 2N-methyltransferase activity. PNMT takes part in regulating epinephrine production. Glucocorticoid receptors form multimers of PNMT independent of the DNA binding domain. PNMT expression is regulated late in mouse gestation by AP2-alpha and glucocorticoids.

### Product Info

**Amount :** 25 µg  
**Purification :** Greater than 95.0% as determined by SDS-PAGE.  
**Content :** The PNMT protein solution contains 20mM Tris-HCl, pH-8 & 10% Glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MSGADRSPNA GAAPDSAPGQ AAVASAYQRF EPRAYLRNNY APPRGDLCNP NGVGPWKLRC  
LAQTFATGEV SGRTLIDIGS GPTVYQLLSA CSHFEDITMT DFLEVNRQEL GRWLQEEPGE FNWSMYSQHA  
CLIEGKGECW QDKERQLRAR VKRVLPIVH QPQLGAGSP APLPADALVS AFCLEAVSPD LASFQRALDH  
ITLLRPGGH LLLIGALEES WYLAGEARLT VVPVSEEEVR EALVRSGYKV RDLRTYIMPA HLQTGVDDVK  
GVFFAWAQKV GL.