

**PNMT, 1-282aa, Human, E.coli**

**Cat.NO.: TP03445**

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3th Edition

**Synonyms:**Phenylethanolamine N-methyltransferase, 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.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol.

**Molecular Weight:**30.8 Da (282aa)

**Sequences:**

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MSGADRSPNAGAAPDSAPGQAAVASAYQRFEPRAYLRNNYAPPRGDLCPNGVGPWKLRLCLAQTFATGEVSGR  
TLIDIGSGPTVYQLLSACSHFEDITMTDFLEVNRQELGRWLQEEPFAFNWSMYSQHAELIEGKGECWQDKERQLR  
ARVKRVLPIDVHQPPQLGAGSPAPLPADALVSAFCLEAVSPDLASFQRALDHITLLRPGGHHLLIGALEESWYLAGE  
ARLTVVPVSEEEVREALVRSGYKVRDLRITYIMPAHLQTVDDVKGVFFAWAQKVL
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**Purity:**> 95% by HPLC

**Concentration:**1.0 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.