



Recombinant Bovine Phenylethanolamine N-methyltransferase (PNMT)

Product Code	CSB-YP018274BO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P10938
Product Type	Recombinant Protein
Immunogen Species	Bos taurus (Bovine)
Purity	>85% (SDS-PAGE)
Sequence	MSGTDRSQAA GAVPDSDPGL AAVSSAYQRF EPRAYLRNNY APPRGDLSCP DGVGPWKLRC LAQTFATGEV SGRTLIDIGS GPTIYQLLSA CAHFEDITMT DFLEVNRQEL RLWLREEPGA FDWSVYSQHV CLIEGKGESW QEKECQLRAR VKRILPIDVH RPQPLGAGGL APLPADALVS AFCLEAVSPD LASFQRALDH ITTLLRPGGH LLLIGALEES WYLAGEARLA VVPVREEEVR EALVRTATRC GICARTPMPA HLQTVDDVK GIFFTRAQKK VGV
Source	Yeast
Target Names	PNMT
Protein Names	Recommended name: Phenylethanolamine N-methyltransferase Short name= PNMTase EC= 2.1.1.28 Alternative name(s): Noradrenaline N-methyltransferase
Expression Region	1-283
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	The product of this gene 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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.