

PNMT Blocking Peptide (Center)

Synthetic peptide

Catalog # BP21394c

Specification

PNMT Blocking Peptide (Center) - Product InformationPrimary Accession [P11086](#)**PNMT Blocking Peptide (Center) - Additional Information**

Gene ID 5409

Other Names

Phenylethanolamine N-methyltransferase, PNMTase, Noradrenaline N-methyltransferase, PNMT, PENT

Target/Specificity

The synthetic peptide sequence is selected from aa 158-172 of HUMAN PNMT

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PNMT Blocking Peptide (Center) - Protein Information

Name PNMT

Synonyms PENT

Function

Catalyzes the transmethylation of norepinephrine (noradrenaline) to form epinephrine (adrenaline), using S-adenosyl-L-methionine as the methyl donor (PubMed:20496117). Other substrates include phenylethanolamine and octopamine (PubMed:16277617, PubMed:16363801, PubMed:8812853). Also methylates normetanephrine (By similarity).

PNMT Blocking Peptide (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

PNMT Blocking Peptide (Center) - Images

PNMT Blocking Peptide (Center) - Background

Converts noradrenaline to adrenaline.

PNMT Blocking Peptide (Center) - References

Kaneda N., et al. J. Biol. Chem. 263:7672-7677(1988).
Sasaoka T., et al. Neurochem. Int. 15:555-565(1989).
Baetge E.E., et al. Proc. Natl. Acad. Sci. U.S.A. 85:3648-3652(1988).
Martin J.L., et al. Structure 9:977-985(2001).
Gee C.L., et al. Biochemistry 44:16875-16885(2005).