

PNP Blocking Peptide (Center)
Synthetic peptide
Catalog # BP20740c**Specification**

PNP Blocking Peptide (Center) - Product InformationPrimary Accession [P00491](#)**PNP Blocking Peptide (Center) - Additional Information****Gene ID** 4860**Other Names**

Purine nucleoside phosphorylase, PNP, Inosine phosphorylase, Inosine-guanosine phosphorylase, PNP, NP

Target/Specificity

The synthetic peptide sequence is selected from aa 145-158 of HUMAN PNP

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.

PNP Blocking Peptide (Center) - Protein Information**Name** PNP**Synonyms** NP**Function**

Catalyzes the phosphorolytic breakdown of the N-glycosidic bond in the beta-(deoxy)ribonucleoside molecules, with the formation of the corresponding free purine bases and pentose-1-phosphate (PubMed:9305964, PubMed:23438750). Preferentially acts on 6-oxopurine nucleosides including inosine and guanosine (PubMed:9305964).

Cellular Location

Cytoplasm.

Tissue Location

Expressed in red blood cells; overexpressed in red blood cells (cytoplasm) of patients with hereditary non-spherocytic hemolytic anemia of unknown etiology.

PNP Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

PNP Blocking Peptide (Center) - Images

PNP Blocking Peptide (Center) - Background

The purine nucleoside phosphorylases catalyze the phosphorolytic breakdown of the N-glycosidic bond in the beta- (deoxy)ribonucleoside molecules, with the formation of the corresponding free purine bases and pentose-1-phosphate.

PNP Blocking Peptide (Center) - References

Williams S.R.,et al.Nucleic Acids Res. 12:5779-5787(1984).
Williams S.R.,et al.J. Biol. Chem. 262:2332-2338(1987).
Yu L.,et al.Environ. Health Perspect. 111:1421-1427(2003).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
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