

NAPRT1 Blocking Peptide (N-term)

Synthetic peptide

Catalog # BP20383a

Specification

NAPRT1 Blocking Peptide (N-term) - Product Information

Primary Accession

[O6XQN6](#)

Other Accession

[O6XQN1](#), [O8CC86](#), [A5PK51](#)**NAPRT1 Blocking Peptide (N-term) - Additional Information****Gene ID** 93100**Other Names**

Nicotinate phosphoribosyltransferase, NAPRTase, FHA-HIT-interacting protein, Nicotinate phosphoribosyltransferase domain-containing protein 1, NAPRT, FHIP, NAPRT1

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.

NAPRT1 Blocking Peptide (N-term) - Protein Information**Name** NAPRT**Synonyms** FHIP, NAPRT1**Function**

Catalyzes the first step in the biosynthesis of NAD from nicotinic acid, the ATP-dependent synthesis of beta-nicotinate D- ribonucleotide from nicotinate and 5-phospho-D-ribose 1-phosphate (PubMed:17604275, PubMed:21742010, PubMed:26042198). Helps prevent cellular oxidative stress via its role in NAD biosynthesis (PubMed:17604275).

Cellular Location

Cytoplasm, cytosol.

NAPRT1 Blocking Peptide (N-term) - Protocols

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

- [Blocking Peptides](#)

NAPRT1 Blocking Peptide (N-term) - Images

NAPRT1 Blocking Peptide (N-term) - Background

Catalyzes the conversion of nicotinic acid (NA) to NA mononucleotide (NaMN). Essential for NA to increase cellular NAD levels and prevent oxidative stress of the cells.