

ISYNA1 Blocking Peptide (C-term)

Synthetic peptide

Catalog # BP21340b

Specification

ISYNA1 Blocking Peptide (C-term) - Product Information

Primary Accession

[Q9NPH2](#)**ISYNA1 Blocking Peptide (C-term) - Additional Information**

Gene ID 51477

Other Names

Inositol-3-phosphate synthase 1, IPS 1, Myo-inositol 1-phosphate synthase, MI-1-P synthase, MIP synthase, hIPS, Myo-inositol 1-phosphate synthase A1, hINO1, ISYNA1, INO1

Target/Specificity

The synthetic peptide sequence is selected from aa 541-554 of HUMAN ISYNA1

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.

ISYNA1 Blocking Peptide (C-term) - Protein Information

Name ISYNA1

Synonyms INO1

Function

Key enzyme in myo-inositol biosynthesis pathway that catalyzes the conversion of glucose 6-phosphate to 1-myo-inositol 1-phosphate in a NAD-dependent manner (PubMed:15024000, PubMed:23902760). Rate-limiting enzyme in the synthesis of all inositol-containing compounds (PubMed:15024000).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:P11986}.

Tissue Location

Highly expressed in testis, ovary, heart, placenta and pancreas. Weakly expressed in blood

leukocyte, thymus, skeletal muscle and colon.

ISYNA1 Blocking Peptide (C-term) - Protocols

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

- [Blocking Peptides](#)

ISYNA1 Blocking Peptide (C-term) - Images

ISYNA1 Blocking Peptide (C-term) - Background

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ISYNA1 Blocking Peptide (C-term) - References

Guan G.,et al.Arch. Biochem. Biophys. 417:251-259(2003).
Parthasarathy L.K.,et al.Subcell. Biochem. 39:293-314(2006).
Zhou Y.,et al.Submitted (JUL-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).