

SYNJ1 Blocking Peptide (C-term)

Synthetic peptide

Catalog # BP21838b

Specification

SYNJ1 Blocking Peptide (C-term) - Product Information

Primary Accession

[O43426](#)**SYNJ1 Blocking Peptide (C-term) - Additional Information**

Gene ID 8867

Other Names

Synaptojanin-1, Synaptic inositol 1, 5-trisphosphate 5-phosphatase 1, SYNJ1, KIAA0910

Target/Specificity

The synthetic peptide sequence is selected from aa 1168-1182 of HUMAN SYNJ1

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.

SYNJ1 Blocking Peptide (C-term) - Protein Information

Name SYNJ1

Synonyms KIAA0910

Function

Phosphatase that acts on various phosphoinositides, including phosphatidylinositol 4-phosphate, phosphatidylinositol (4,5)- biphosphate and phosphatidylinositol (3,4,5)-trisphosphate (PubMed:27435091, PubMed:23804563). Has a role in clathrin-mediated endocytosis (By similarity). Hydrolyzes PIP2 bound to actin regulatory proteins resulting in the rearrangement of actin filaments downstream of tyrosine kinase and ASH/GRB2 (By similarity).

Cellular Location

Cytoplasm, perinuclear region {ECO:0000250|UniProtKB:O18964}

SYNJ1 Blocking Peptide (C-term) - Protocols

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

- [Blocking Peptides](#)

SYNJ1 Blocking Peptide (C-term) - Images

SYNJ1 Blocking Peptide (C-term) - Background

Inositol 5-phosphatase which has a role in clathrin- mediated endocytosis.

SYNJ1 Blocking Peptide (C-term) - References

Haffner C.,et al.FEBS Lett. 419:175-180(1997).
Nagase T.,et al.DNA Res. 5:355-364(1998).
Nakajima D.,et al.DNA Res. 9:99-106(2002).
Hattori M.,et al.Nature 405:311-319(2000).
Cestra G.,et al.J. Biol. Chem. 274:32001-32007(1999).