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STMN1 Blocking Peptide (C-Term)

Synthetic peptide

Catalog # BP22150b

Specification

STMN1 Blocking Peptide (C-Term) - Product Information

Primary Accession	P16949
Other Accession	Q3T0C7, A9YWH3, Q4R712, Q6DUB7

STMN1 Blocking Peptide (C-Term) - Additional Information

Gene ID 3925

Other Names
Stathmin, Leukemia-associated phosphoprotein p18, Metablastin, Oncoprotein 18, Op18, Phosphoprotein p19, pp19, Prosolin, Protein Pr22, pp17, STMN1, C1orf215, LAP18, OP18

Target/Specificity
The synthetic peptide sequence is selected from aa 126-140 of HUMAN STMN1

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.

STMN1 Blocking Peptide (C-Term) - Protein Information

Name STMN1

Synonyms C1orf215, LAP18, OP18

STMN1 Blocking Peptide (C-Term) - Background

Involved in the regulation of the microtubule (MT) filament system by destabilizing microtubules. Prevents assembly and promotes disassembly of microtubules. Phosphorylation at Ser- 16 may be required for axon formation during neurogenesis. Involved in the control of the learned and innate fear (By similarity).

STMN1 Blocking Peptide (C-Term) - References

Zhu X.-X.,et al.J. Biol. Chem. 264:14556-14560(1989).
Maucuer A.,et al.FEBS Lett. 264:275-278(1990).
Melhem R.F.,et al.J. Biol. Chem. 266:17747-17753(1991).
Hosoya H.,et al.Cell Struct. Funct. 21:237-243(1996).
Ota T.,et al.Nat. Genet. 36:40-45(2004).

Function
Involved in the regulation of the microtubule (MT) filament system by destabilizing microtubules. Prevents assembly and promotes disassembly of microtubules. Phosphorylation at Ser-16 may be required for axon formation during neurogenesis. Involved in the control of the learned and innate fear (By similarity).

Cellular Location
Cytoplasm, cytoskeleton.

Tissue Location
Ubiquitous. Expression is strongest in fetal and adult brain, spinal cord, and cerebellum, followed by thymus, bone marrow, testis, and fetal liver. Expression is intermediate in colon, ovary, placenta, uterus, and trachea, and is readily detected at substantially lower levels in all other tissues examined. Lowest expression is found in adult liver. Present in much greater abundance in cells from patients with acute leukemia of different subtypes than in normal peripheral blood lymphocytes, non-leukemic proliferating lymphoid cells, bone marrow cells, or cells from patients with chronic lymphoid or myeloid leukemia.

STMN1 Blocking Peptide (C-Term) - Protocols

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

- Blocking Peptides