

SPTBN1 Blocking Peptide (C-Term)

Synthetic peptide

Catalog # BP21995b

Specification

SPTBN1 Blocking Peptide (C-Term) - Product Information

Primary Accession

[Q01082](#)

Other Accession

[Q62261](#)**SPTBN1 Blocking Peptide (C-Term) - Additional Information**

Gene ID 6711

Other Names

Spectrin beta chain, non-erythrocytic 1, Beta-II spectrin, Fodrin beta chain, Spectrin, non-erythroid beta chain 1, SPTBN1, SPTB2

Target/Specificity

The synthetic peptide sequence is selected from aa 2083-2097 of HUMAN SPTBN1

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.

SPTBN1 Blocking Peptide (C-Term) - Protein Information

Name SPTBN1

Synonyms SPTB2

Function

Fodrin, which seems to be involved in secretion, interacts with calmodulin in a calcium-dependent manner and is thus candidate for the calcium-dependent movement of the cytoskeleton at the membrane. Plays a critical role in central nervous system development and function.

Cellular Location

Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q62261}. Cytoplasm, myofibril, sarcomere, M line {ECO:0000250|UniProtKB:Q62261}. Cytoplasm, cytosol. Cell membrane. Note=Colocalizes with ANK2 in a distinct intracellular compartment of neonatal cardiomyocytes {ECO:0000250|UniProtKB:Q62261}

Tissue Location

Isoform 2 is present in brain, lung and kidney (at protein level).

SPTBN1 Blocking Peptide (C-Term) - Protocols

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

- [Blocking Peptides](#)

SPTBN1 Blocking Peptide (C-Term) - Images

SPTBN1 Blocking Peptide (C-Term) - Background

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SPTBN1 Blocking Peptide (C-Term) - References

Hu R.J.,et al.J. Biol. Chem. 267:18715-18722(1992).
Chen Y.,et al.J. Mol. Neurosci. 17:59-70(2001).
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Hillier L.W.,et al.Nature 434:724-731(2005).
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