

SSNA1 Blocking Peptide (N-term)

Synthetic peptide

Catalog # BP20483a

Specification

SSNA1 Blocking Peptide (N-term) - Product Information

Primary Accession

[O43805](#)

Other Accession

[O9JJ94](#), [Q5E9C3](#)**SSNA1 Blocking Peptide (N-term) - Additional Information****Gene ID** 8636**Other Names**

Sjogren syndrome nuclear autoantigen 1, Nuclear autoantigen of 14 kDa, SSNA1, NA14

Target/Specificity

The synthetic peptide sequence is selected from aa 40-53 of Human SSNA1

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.

SSNA1 Blocking Peptide (N-term) - Protein Information**Name** SSNA1 ([HGNC:11321](#))**Function**

Microtubule-binding protein which stabilizes dynamic microtubules by slowing growth and shrinkage at both plus and minus ends and serves as a sensor of microtubule damage, protecting microtubules from the microtubule-severing enzyme SPAST (PubMed:34970964). Induces microtubule branching which is mediated by the formation of long SSNA1 fibrils which guide microtubule protofilaments to split apart from the mother microtubule and form daughter microtubules (By similarity). Plays a role in axon outgrowth and branching (PubMed:25390646). Required for cell division (PubMed:25390646).

Cellular Location

Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole Midbody. Cytoplasm,

cytoskeleton, flagellum basal body. Cytoplasm, cytoskeleton, flagellum axoneme. Cell projection, axon {ECO:0000250|UniProtKB:Q9JJ94}. Note=In sperm, strongly expressed in the basal body region with weaker expression in the axoneme (PubMed:12640030). Localizes to axon branching points in neurons (By similarity). {ECO:0000250|UniProtKB:Q9JJ94, ECO:0000269|PubMed:12640030}

Tissue Location

Widely expressed..

SSNA1 Blocking Peptide (N-term) - Protocols

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

- [Blocking Peptides](#)

SSNA1 Blocking Peptide (N-term) - Images**SSNA1 Blocking Peptide (N-term) - References**

Ramos-Morales F., et al. J. Biol. Chem. 273:1634-1639(1998).
Kalnine N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Halleck A., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Humphray S.J., et al. Nature 429:369-374(2004).
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.