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NCLN Blocking Peptide (N-term)

Synthetic peptide
Catalog # BP2717a

Specification

NCLN Blocking Peptide (N-term) - Product Information

Primary Accession Q969V3

NCLN Blocking Peptide (N-term) - Additional Information

Gene ID 56926

Other Names
Nicalin, Nicastrin-like protein, NCLN

Target/Specificity
The synthetic peptide sequence is selected from aa 321-335 of HUMAN NCLN

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.

NCLN Blocking Peptide (N-term) - Protein Information

Name NCLN {ECO:0000303|PubMed:36261522, ECO:0000312|HGNC:HGNC:26923}

Function
Component of the multi-pass translocon (MPT) complex that mediates insertion of multi-pass membrane proteins into the lipid bilayer of membranes (PubMed:32820719, PubMed:36261522). The MPT complex takes over after the SEC61 complex: following membrane insertion of the first few transmembrane segments of proteins by the SEC61 complex, the MPT complex occludes the lateral gate of the SEC61 complex to promote insertion of subsequent transmembrane regions (PubMed:36261522). May antagonize Nodal signaling and subsequent organization of axial structures during mesodermal patterning, via its interaction with NOMO (By similarity).

Cellular Location
Endoplasmic reticulum membrane; Single-pass membrane protein

Tissue Location

Highly expressed in pancreas and skeletal muscle and, at lower levels, in heart.

NCLN Blocking Peptide (N-term) - Protocols

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

- Blocking Peptides

NCLN Blocking Peptide (N-term) - Images

NCLN Blocking Peptide (N-term) - Background

NCLN may antagonize Nodal signaling and subsequent organization of axial structures during mesodermal patterning.

NCLN Blocking Peptide (N-term) - References

Haffner,C., EMBO J. 23 (15), 3041-3050 (2004)