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NRXN1 Blocking Peptide (N-term)

Synthetic peptide
Catalog # BP21335a

Specification

NRXN1 Blocking Peptide (N-term) - Product Information

Primary Accession P58400

NRXN1 Blocking Peptide (N-term) - Additional Information

Gene ID 9378

Other Names
Neurexin-1-beta, Neurexin I-beta, NRXN1

Target/Specificity
The synthetic peptide sequence is selected from aa 77-90 of HUMAN NRXN1

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.

NRXN1 Blocking Peptide (N-term) - Protein Information

Name NRXN1 (HGNC:8008)

Function
Neuronal cell surface protein involved in cell recognition and cell adhesion by forming intracellular junctions through binding to neuroligins (By similarity). Plays a role in formation of synaptic junctions (By similarity). Functions as part of a trans-synaptic complex by binding to cerebellins and postsynaptic GRID1. This interaction helps regulate the activity of NMDA and AMPA receptors at hippocampal synapses without affecting synapse formation. NRXN1B-CBLN2- GRID1 complex transduce presynaptic signals into postsynaptic NMDAR response (By similarity).

Cellular Location
Presynaptic cell membrane {ECO:0000250|UniProtKB:P0DI97}; Single-pass type I membrane protein

NRXN1 Blocking Peptide (N-term) - Protocols

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

- Blocking Peptides

NRXN1 Blocking Peptide (N-term) - Images

NRXN1 Blocking Peptide (N-term) - Background

Neuronal cell surface protein that may be involved in cell recognition and cell adhesion by forming intracellular junctions through binding to neuroligins. May play a role in formation or maintenance of synaptic junctions. May mediate intracellular signaling. May play a role in angiogenesis (By similarity).

NRXN1 Blocking Peptide (N-term) - References

Kleiderlein J.J.,et al.Hum. Genet. 103:666-673(1998).
Hillier L.W.,et al.Nature 434:724-731(2005).
Chen X.,et al.Nat. Struct. Mol. Biol. 15:50-56(2008).