

OPHN1 Blocking Peptide (Center)

Synthetic peptide

Catalog # BP21819c

Specification

OPHN1 Blocking Peptide (Center) - Product Information

Primary Accession

[O60890](#)**OPHN1 Blocking Peptide (Center) - Additional Information****Gene ID** 4983**Other Names**

Oligophrenin-1, OPHN1

Target/Specificity

The synthetic peptide sequence is selected from aa 304-315 of HUMAN OPHN1

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.

OPHN1 Blocking Peptide (Center) - Protein Information**Name** OPHN1**Function**

Stimulates GTP hydrolysis of members of the Rho family. Its action on RHOA activity and signaling is implicated in growth and stabilization of dendritic spines, and therefore in synaptic function. Critical for the stabilization of AMPA receptors at postsynaptic sites. Critical for the regulation of synaptic vesicle endocytosis at presynaptic terminals. Required for the localization of NR1D1 to dendrites, can suppress its repressor activity and protect it from proteasomal degradation (By similarity).

Cellular Location

Postsynapse {ECO:0000250|UniProtKB:P0CAX5}. Presynapse {ECO:0000250|UniProtKB:P0CAX5}. Cell projection, axon {ECO:0000250|UniProtKB:P0CAX5}. Cell projection, dendritic spine {ECO:0000250|UniProtKB:P0CAX5}. Cell projection, dendrite {ECO:0000250|UniProtKB:Q99J31}. Cytoplasm {ECO:0000250|UniProtKB:Q99J31}

Tissue Location

Expressed in brain.

OPHN1 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

OPHN1 Blocking Peptide (Center) - Images

OPHN1 Blocking Peptide (Center) - Background

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OPHN1 Blocking Peptide (Center) - References

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Kitano T.,et al.Mol. Biol. Evol. 20:1281-1289(2003).
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