

CLSTN2 Blocking Peptide(Center)
Synthetic peptide
Catalog # BP19746c**Specification**

CLSTN2 Blocking Peptide(Center) - Product Information

Primary Accession [O9H4D0](#)
Other Accession [NP_071414.2](#)

CLSTN2 Blocking Peptide(Center) - Additional Information

Gene ID 64084

Other Names

Calsyntenin-2, Alcadein-gamma, Alc-gamma, CLSTN2, CS2

Target/Specificity

The synthetic peptide sequence is selected from aa 758-770 of HUMAN CLSTN2

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.

CLSTN2 Blocking Peptide(Center) - Protein Information

Name CLSTN2 ([HGNC:17448](#))

Synonyms CS2

Function

Postsynaptic adhesion molecule that binds to presynaptic neuroligins to mediate synapse formation, and which is involved in learning and memory (By similarity). Promotes synapse development by acting as a cell adhesion molecule at the postsynaptic membrane, which associates with neuroligin-1 at the presynaptic membrane (By similarity).

Cellular Location

Postsynaptic cell membrane {ECO:0000250|UniProtKB:Q9ER65}; Single-pass type I membrane protein. Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q9ER65}; Single-pass type I membrane protein. Golgi apparatus membrane {ECO:0000250|UniProtKB:Q9ER65}; Single-pass type I membrane protein. Cell projection, dendrite {ECO:0000250|UniProtKB:Q9ER65}. Note=Most prominent in the postsynaptic specializations of asymmetric (type I) synapses with both axodendritic and axospinous localization {ECO:0000250|UniProtKB:Q9ER65}

Tissue Location

Restricted to the brain.

CLSTN2 Blocking Peptide(Center) - Protocols

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

- [Blocking Peptides](#)

CLSTN2 Blocking Peptide(Center) - Images**CLSTN2 Blocking Peptide(Center) - Background**

CLSTN2 may modulate calcium-mediated postsynaptic signals (By similarity).

CLSTN2 Blocking Peptide(Center) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Preuschhof, C., et al. Neuropsychologia 48(2):402-408(2010)
Zhang, H., et al. Neuropsychopharmacology 34(12):2508-2516(2009)
Henckaerts, L., et al. Clin. Gastroenterol. Hepatol. 7(9):972-980(2009)
Jacobsen, L.K., et al. Biol. Psychiatry 65(8):671-679(2009)