

**NCSTN Blocking Peptide (N-Term)**

Synthetic peptide

Catalog # BP21573a

**Specification**

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**NCSTN Blocking Peptide (N-Term) - Product Information**

Primary Accession

[Q92542](#)**NCSTN Blocking Peptide (N-Term) - Additional Information**

Gene ID 23385

**Other Names**

Nicastrin, NCSTN, KIAA0253

**Target/Specificity**

The synthetic peptide sequence is selected from aa 99-113 of HUMAN NCSTN

**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.

**NCSTN Blocking Peptide (N-Term) - Protein Information**

Name NCSTN

Synonyms KIAA0253

**Function**

Essential subunit of the gamma-secretase complex, an endoprotease complex that catalyzes the intramembrane cleavage of integral membrane proteins such as Notch receptors and APP (amyloid- beta precursor protein) (PubMed: <a href="http://www.uniprot.org/citations/10993067" target="\_blank">10993067</a>, PubMed: <a href="http://www.uniprot.org/citations/12679784" target="\_blank">12679784</a>, PubMed: <a href="http://www.uniprot.org/citations/25043039" target="\_blank">25043039</a>, PubMed: <a href="http://www.uniprot.org/citations/26280335" target="\_blank">26280335</a>, PubMed: <a href="http://www.uniprot.org/citations/30598546" target="\_blank">30598546</a>, PubMed: <a href="http://www.uniprot.org/citations/30630874" target="\_blank">30630874</a>). The gamma-secretase complex plays a role in Notch and Wnt signaling cascades and regulation of downstream processes via its role in processing key regulatory proteins, and by regulating cytosolic CTNNB1 levels.

**Cellular Location**

Membrane; Single-pass type I membrane protein. Cytoplasmic vesicle membrane; Single-pass type I membrane protein. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

**Tissue Location**

Detected in brain (at protein level) (PubMed:10993067). Widely expressed (PubMed:11396676)

**NCSTN Blocking Peptide (N-Term) - Protocols**

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

- [Blocking Peptides](#)

**NCSTN Blocking Peptide (N-Term) - Images****NCSTN Blocking Peptide (N-Term) - Background**

Essential subunit of the gamma-secretase complex, an endoprotease complex that catalyzes the intramembrane cleavage of integral membrane proteins such as Notch receptors and APP (beta-amyloid precursor protein). It probably represents a stabilizing cofactor required for the assembly of the gamma-secretase complex.

**NCSTN Blocking Peptide (N-Term) - References**

Yu G.,et al.Nature 407:48-54(2000).  
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Gregory S.G.,et al.Nature 441:315-321(2006).  
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.