

Recombinant Full Length Human NCSTN Protein, C-Flag-tagged

Cat. No. NCSTN-1840HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human NCSTN Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a type I transmembrane glycoprotein that is an integral component of the multimeric gamma-secretase complex. The encoded protein cleaves integral membrane proteins, including Notch receptors and beta-amyloid precursor protein, and may be a stabilizing cofactor required for gamma-secretase complex assembly. The cleavage of beta-amyloid precursor protein yields amyloid beta peptide, the main component of the neuritic plaque and the hallmark lesion in the brains of patients with Alzheimer's disease; however, the nature of the encoded protein's role in Alzheimer's disease is not known for certain. Mutations in this gene are associated with familial acne inversa. A pseudogene of this gene is present on chromosome 21. Alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	75.2 kDa

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AA Sequence

MATAGGGSGADPGSRGLLRLLSFCVLLAGLCRGNSVERKIYIPLNKTAPCVRLLNAT
 HQIGCQSSISGDT GVIHVVEKEEDLQWVLT DGNPPYMVLLSKHFTRDLMEKLKG
 RTSRIAGLAVSLTKPSPASGFSPSVQC PNDGFGVYSNSYGPEFAHCREIQWNSLGN
 GLAYEDFSFPIFLLDENETKVIKQCYQDHNLSQNGSAPTF PLCAMQLFSHMHAVIS
 TATCMRRSSIQSTFSINPEIVCDPLSDYNVWSMLKPINTTGTLKPDDR VVVAAT RLD
 SRSFFWNVAPGAESAVASFVTQLAAAEALQKAPDVTTLP RNVMFVFFQGETFDYIG
 SSRMVYDMEKG KFPVQLENVDSFVELGQVALRTSLELWMHTDPVSQKNESVRNQ
 VEDLLATLEKSGAGVPAVILRRPNQSQ PLPPSSLQRFLRARNISGVVLADHSGAFHN
 KYYQSIYDTAENINVSYPEWLSPEEDLNFVTD TAKALADV ATVLGRALYELAGGTNF
 SDTVQADPQTVTRLLYGFLIKANNSWFQSI LRQDLRSYLG DGPLQHYIAVSSP TNTT
 YVVQYALANLTGTVVNL TREQCQDPSKVPSENKDLYEYSWVQG PLHSNETDRLPR
 CVRSTARLARA LSPAFELSQWSSTEYSTWTESRWKDIRARIFLIASKELELITLVGF
 GILIFSLIVTYCINAKADVL FIA PREPGAVSY TRTRPLEQKLISEEDLAANDILDYKDDD
 DKV

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining.

Stability

Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Storage

Store at -80 centigrade.

Concentration

>50 ug/mL as determined by microplate BCA method.

Preparation

Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Protein Families

Druggable Genome, Transmembrane

Protein Pathways

Alzheimer's disease, Notch signaling pathway

Full Length
Full L.

GENE INFORMATION

Gene Name NCSTN nicastrin [Homo sapiens (human)]

Official Symbol NCSTN

Synonyms ATAG1874

Gene ID 23385

mRNA Refseq NM_015331.3

Protein Refseq NP_056146.1

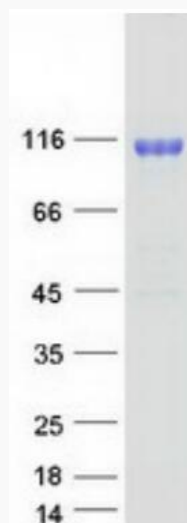
MIM 605254

UniProt ID Q92542

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Coomassie blue staining of purified NCSTN protein.

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