

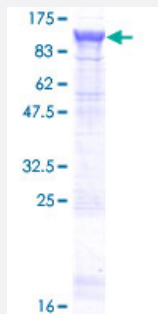
Full-Length

NCSTN (Human) Recombinant Protein (P01)

Catalog # H00023385-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human NCSTN full-length ORF (AAH47621.1, 1 a.a. - 689 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDFNLILES LCRGNSVERKIMPLNKTAPCVRLLNATHQIGCQSSISGDTGVIHVVEKEEDLQWVLT
DGNPPYMVLLSKHFTRDLMEKLKGRTSRIAGLAVSLTKPSPASGFSPSVQCPNDGFGVYSNS
YGPEFAHCREIQWNSLGNGLAYEDFSFIFLLEDENETKVIKQCYQDHNLSQNGSAPTFFPLCAMQ
LFSHMHAVISTATCMRRSSIQSTFSINPEIVCDPLSDYNVWSMLKPINTTGTLPDDRNVVAATRLD
SRSFFWNVAPGAESAVASFVTQLAAAEALQKAPDVTTLPRNVMFVFFQGETFDYIGSSRMVYDM
EKGKFPVQLENVDSFVELGQVALRTSLELWMHTDPVSQKNESVRNQVEDLLATLEKSGAGVPA
VILRRPNQSQPLPPSSLQRFLRARNISGVVLADHSGAFHNKYYSYDTAENINVSYPEWLSPEEDL
NFVTD TAKALADVATVLGRALYELAGGTNFSDTVQADPQTVTRLLYGFLIKANNSWFQSILRQDLR
SYLGDGPLQHYAVSSPTNTTYVVQYALANLTGTVVNLTREQCQDPSKVPSENKDLYESWVQGP
LHSNETDRLPRCVRSTARLARALSPAFELSQWSSTEYSTWTESRWKDIHARIFLIASKELELITLV
FGILIFSLITYCINAKADVLFAPREPGAVSY

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

103.1

Interspecies Antigen Sequence

Mouse (88); Rat (88)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — NCSTN

Entrez GeneID	23385
GeneBank Accession#	BC047621.1
Protein Accession#	AAH47621.1
Gene Name	NCSTN
Gene Alias	APH2, KIAA0253
Gene Description	nicastrin
Omim ID	605254
Gene Ontology	Hyperlink

Gene Summary

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. Alternatively spliced transcript variants have been described, but their full-length nature has not been determined. [provided by RefSeq]

Other Designations

ATAG1874|OTTHUMP00000031839|anterior pharynx-defective 2

Pathway

- [Notch signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Diabetes Complications](#)
- [Genetic Predisposition to Disease](#)
- [Intelligence Tests](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Neuropsychological Tests](#)
- [Osteoporosis](#)
- [Werner syndrome](#)