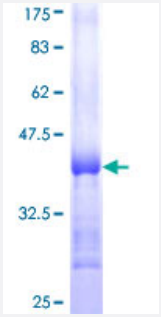
NCSTN (Human) Recombinant Protein (Q01)

Catalog # H00023385-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human NCSTN partial ORF (AAH47621, 16 a.a. - 115 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	VERKIYIPLNKTAPCVRLLNATHQIGCQSSISGDTGVIHVVEKEEDLQWVLTDGPNPPYMVLLESKH FTRDLMEKLKGRTSRIAGLAVSLTKPSPASGFS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
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
Protein Accession#	AAH47621
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