

Product datasheet for **TP312646M**

Nicastrin (NCSTN) (NM_015331) Human Recombinant Protein

Product data:

| | |
|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human nicastrin (NCSTN), 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC212646 representing NM_015331 Red=Cloning site Green=Tags(s) |

MATAGGGSGADPGSRGLLRLLSFCVLLAGLCRGNSVERKIYIPLNKTAPCVRLNATHQIGCQSSISGDT
GVIHVVEKEEDLQWVLTGPNPPYMVLLSKHFTRDLMEKLGRTSRIAGLAVSLTKPSPASGFSPSVQC
PNDGFGVYSNSYGPEFAHCREIQWNSLGNGLAYEDFSFPIFLEDENETKVIKQCYQDHNLSQNGSAPTF
PLCAMQLFSMHAVISTATCMRRSSIQSTFSINPEIVCDPLSDYNVWSMLKPINTTGTLPDDRVAAT
RLDSRSFFWNVAPGAESAVASFVTQLAAAEALQKAPDVTTLPNVMFVFFQGETFDYIGSSRMVYDMEKG
KFPVQLENVDSFVELGQVALRTSLELWMHTDPVSQKNESVRNQVEDLLATLEKSGAGVPAVILRRPNQSQ
PLPPSSLQRFLRARNISGVVLADHSGAFHNKYYQSIYDTAENINVSYPEWLSPEEDLNFTDTAKALADV
ATVLGRALYELAGGTNFSDTVQADPQTVTRLLYGFLIKANNSWFQSILRQDLRSYLGDPQLQHIAVSSP
TNTTYVWQYALANLTGTWVNLTREQCQDPSKVPSKNDLYEYSWVQGPLHSNETDRLPRCVRSTARLARA
LSPAFELSQWSSTEYSTWTESRWKDIRARIFLIASKELELITLVGFGILIFSLIVTYCINAKADVLFIA
PREPGA VSY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|----------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 75.2 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |



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

RefSeq: [NP_056146](#)

Locus ID: 23385

UniProt ID: [Q92542](#)

RefSeq Size: 2944

Cytogenetics: 1q23.2

RefSeq ORF: 2127

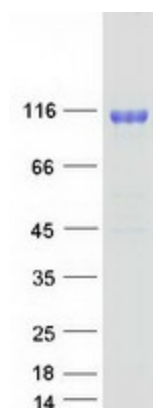
Synonyms: ATAG1874

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. 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. [provided by RefSeq, Feb 2014]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Alzheimer's disease, Notch signaling pathway

Product images:



Coomassie blue staining of purified NCSTN protein (Cat# [TP312646]). The protein was produced from HEK293T cells transfected with NCSTN cDNA clone (Cat# [RC212646]) using MegaTran 2.0 (Cat# [TT210002]).