



# Recombinant Human Neuroserpin (SERPINI1)

<b>Product Code</b>	CSB-MP859934HU
<b>Abbreviation</b>	SERPINI1
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q99574
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	TGAT FPEEAIADLS VNMYNRLRAT GEDENILFSP LSIALAMGMM ELGAQGSTQK EIRHSMGYDS LKNGEEFSFL KEFSNMVTAK ESQYVMKIAN SLFVQNGFHV NEEFLQMMKK YFNAAVNHVD FSQNVAVANY INKWVENNTN NLVKDLVSPR DFDAATYLAL INAVYFKGNW KSQFRPENTR TFSFTKDDDES EVQIPMMYQQ GEFYYGEFSD GSNEAGGIYQ VLEIPYEGDE ISMMLVLSRQ EVPLATLEPL VKAQLVEEWA NSVKKQKVEV YLPRFTVEQE IDLKDVLKAL GITEIFIKDA NLTGLSDNKE IFLSKAIHKS FLEVNEEGSE AAVSGMIAI SRMAVLYPQV IVDHPFFFLI RNRRTGTILF MGRVMHPETM NTSGHDFEEL
<b>Source</b>	Mammalian cell
<b>Target Names</b>	SERPINI1
<b>Protein Names</b>	Recommended name: Neuroserpin Alternative name(s): Peptidase inhibitor 12 Short name= PI-12 Serpin I1
<b>Expression Region</b>	17-410
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This gene encodes a member of the serpin superfamily of serine proteinase inhibitors. The protein is primarily secreted by axons in the brain, and preferentially reacts with and inhibits tissue-type plasminogen activator. It is thought to play a role in the regulation of axonal growth and the development of synaptic plasticity. Mutations in this gene result in familial encephalopathy with neuroserpin inclusion bodies (FENIB), which is a dominantly inherited form of familial encephalopathy and epilepsy characterized by the accumulation of mutant neuroserpin polymers. Multiple alternatively spliced variants, encoding the same protein, have been identified.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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