Datasheet for ABIN7317653

Neuroserpin Protein (His tag)

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Overview

Quantity:	50 µg
Target:	Neuroserpin (SERPINI1)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Neuroserpin protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human SerpinI1/Neuroserpin Protein (His Tag)
Sequence:	Met 1-Leu 410
Characteristics:	A DNA sequence encoding the human SERPINI1 (NP_005016.1) (Met 1-Leu 410) was expressed, with a C-terminal polyhistidine tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Neuroserpin (SERPINI1)
Alternative Name:	SerpinI1/Neuroserpin (SERPINI1 Products)
Background:	Background: Neuroserpin, also known as Protease inhibitor 12 and SERPINI1, is a secreted protein which belongs to the serpin family. Neuroserpin is a serine protease inhibitor that inhibits plasminogen activators and plasmin but not thrombin. Serine protease inhibitors of the

Target Details

	serpin superfamily are involved in many cellular processes. Neuroserpin was first identified as a protein secreted from the axons of dorsal root ganglion neurons. Neuroserpin is predominantly expressed in the brain, and is expressed in the late stages of neurogenesis during the process of synapse formation. Overexpression of neuroserpin in an anterior pituitary corticotroph cell line results in the extension of neurite-like processes, suggesting that neuroserpin may play a role in cell communication, cell adhesion, and/or cell migration. Neuroserpin may be involved in the formation or reorganization of synaptic connections, as well as synaptic plasticity in the adult nervous system. Neuroserpin may also protect neurons from cell damage by tissue-type plasminogen activator. Defects of neuroserpin are the cause of familial encephalopathy with neuroserpin inclusion bodies (FEN1B). Synonym: neuroserpin,PI12
Molecular Weight:	46 kDa
NCBI Accession:	NP_005016
Pathways:	Regulation of Hormone Metabolic Process

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.