

Datasheet for ABIN935690 Neuroserpin Protein



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Overview

Quantity:	25 µg
Target:	Neuroserpin (SERPINI1)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	MTGATFPEEA IADLSVNMVN RLRATGEDEN ILFSPLSIAL AMGMELGAQ GSTQKEIRHS MGYDSLKNGE EFSFLKEFSN MVTAKESQYV MKIANSLFVQ NGFHVNEEFL QMMKKYFNAA VNHVDFSQNV AVANYINKWV ENNTNNLVKD LVSPRDFDAA TYLALINAVY FKGWKSQFR PENTRTFSFT KDDSEVQIP MMYQQGEFY GEFSDGSNEA GGIYQVLEIP YEGDEISMMML VLSRQEVPLA TLEPLVKAQL VEEWANSVKK QKVEVYLPRF TVEQEIDLKD VLKALGITEI FIKDANLTGL SDNKEIFLSK AIHKSFLEVN EEGSEAAAVS GMIAISRMV LYPQVVDHP FFFLIRNRRT GTILFMGRVM HPETMNTSGH DFEEL
Characteristics:	Purified recombinant Human Neuroserpin protein Expression System: E.coli Bioactivity: Determined by the dose-dependent stimulation of the proliferation of rat C6 cells using a concentration range of 0.3-0.6 µg/mL.
Purity:	> 96 % pure
Endotoxin Level:	< 0.1 ng per µg (1 EU/µg).

Target Details

Target:	Neuroserpin (SERPINI1)
Alternative Name:	Neuroserpin (SERPINI1 Products)
Background:	<p>Neuroserpin is an inhibitory serpin that is expressed predominantly in central nervous system. Although the physiological target of neuroserpin is still unclear, cumulative evidence suggest that it plays an important role in controlling proteolytic degradation of extracellular matrix (ECM) during synaptogenesis and the subsequent development of neuronal plasticity. In the adult brain, neuroserpin is secreted from the growth cones of neurons in areas where synaptic changes are associated with learning and memory, i.e. cerebral cortex, hippocampus, and amygdala.</p> <p>Alternative Names: Serpin I1 protein, Protease inhibitor 12 protein</p>
Molecular Weight:	44.6 kDa
Pathways:	Regulation of Hormone Metabolic Process

Application Details

Application Notes:	Each Investigator should determine their own optimal working dilution for specific applications.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Supplied as a lyophilized powder.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 °C until reconstitution. Following reconstitution aliquot and freeze at -20 °C for long term storage.