



Datasheet for ABIN7320111 Neuroserpin Protein (His tag)



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1 Image

Overview

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

Product Details

| | |
|------------------|---|
| Purpose: | Recombinant Mouse Serpin1/Neuroserpin Protein (His Tag) |
| Sequence: | Met 1-Leu 410 |
| Characteristics: | A DNA sequence encoding the mouse SERPINI1 (O35684) (Met 1-Leu 410) was expressed, with a C-terminal polyhistidine tag. |
| Purity: | > 95 % as determined by SDS-PAGE |
| Endotoxin Level: | < 1.0 EU per µg of the protein as determined by the LAL method. |

Target Details

| | |
|-------------------|--|
| Target: | Neuroserpin (SERPINI1) |
| Alternative Name: | Serpin1/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: AI837402,Ns,PI-12,PI12,Spi17

Molecular Weight: 46 kDa

UniProt: [O35684](#)

Pathways: [Regulation of Hormone Metabolic Process](#)

Application Details

Restrictions: For Research Use only

Handling

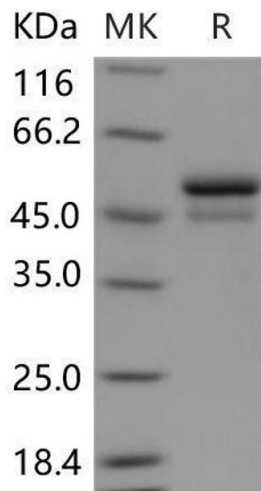
Format: Lyophilized

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.



Western Blotting

Image 1.