

PRODUCT INFORMATION SUMMARY

Human Neuroserpin

Purified Factor	Product Number	HC70123B	25.0 ug
		HC70123A	5.0 ug

DESCRIPTION:

Human Neuroserpin is central nervous system serpin with inhibitory effects and is secreted from cones and neurons in areas of the brain associated with learning and memory. In mice, a neuroprotective role for Neuroserpin has been demonstrated and in humans is associated with a hereditary disorder termed familial encephalopathy with neuroserpin inclusion bodies. Human Neuroserpin is a 44.6 kDa non-glycosylated protein with 394 amino acid residues.

SOURCE: E. Coli
Purity > 96% by HPLC analysis
Endotoxin < 0.1 ng per ug human Neuroserpin
Sterile filtered and lyophilized, additive-free.

BIOLOGICAL ACTIVITY:

Fully biologically active when compared to standards, activity determined by ability to stimulate the proliferation of Rat C6 cells in range of 0.5 - 0.6 ug/mL .

HANDLING AND STORAGE:

Purified Neuroserpin factor is provided sterile-filtered and lyophilized, with no additives. Store lyophilized, at -20°C. Upon **reconstitution** with distilled water to concentration of 100 ug/mL, further dilute in PBS or other buffered solutions. Store small aliquots at -20° C, **with addition of 0.1% BSA**, for long-term storage up to 3 months, at high concentration.

Before opening vial, it is recommended to microcentrifuge vial for 30 seconds to spin-down any lyophilized material that may adhere to top of vial. The small amounts of protein may adhere to the vial as a very thin coat of lyophilized material, and may be difficult to see as a pellet.

WARRANTY:

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

RESEARCH USE ONLY -NOT for DRUG USE