

Neuroserpin Protein, Human, Recombinant

General Information

Synonyms: SERPINI1;Peptidase inhibitor 12 (PI-12);Neuroserpin;Serpine I1;PI12

Protein Construction: 17-410 aa

Species: Human

Expression Host: E. coli

Accession: Q99574

Molecular Weight: 44.7 kDa (Predicted)

AA Sequence:

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TGATFP EEAIADLSVNMYNRLRATGEDENILFSPLSIALAMGM MELGAQGSTQKEIRHSMGYDSLKNGEEFSF
LKEFSNMVTAKESQYVMKIANSLFVQNGFHVNEEF LQMMKKYFNAAVNHVDFSQNVAVANYINKWVENNT
NNLVKDLVSPRDFDAATYLALINAVYFKGNWKSQFRPENTRTFSFTKDD ESEVQIPMMYQQGEFYGFSDG
SNEAGGIYQVLEIPYEGDEISMMLVLSRQEVPLATLEPLVKAQLVEEWANSVKKQKVEVYLP RFTVEQEIDLKD
VLKALGITEIFIKDANLTGLSDNKEIFLSKAIHKSFLEVNEEGSEAAAVSGMIAISRMAVLYPQVIVDHPFFFLIRN
RRTGTILFMGRVMHPETMNTSGHDFEEL
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QC Testing

Biological Activity: Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using rat C6 cells is less than 0.5 µg/ml, corresponding to a specific activity of > 2000 IU/mg.

Purity: >95% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/µg of the protein as determined by the LAL method.

Formulation: Lyophilized from a 0.2 µm filtered PBS, pH 7.5

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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