

# Human SERPINI1 Recombinant Protein



RPPB4648

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## Product Information    Protein Information

**Product SKU:**

RPPB4648

**Accession:**

Q99574

**Host:**

Escherichia Coli.

**Protein description:**

SERPINI1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 395 amino acids and having a total molecular mass of 44.6kDa. SERPINI1 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Neuroserpin, Peptidase inhibitor 12, PI-12, Serpin I1, SERPINI1, PI12.

**Formulation:**

The protein was Lyophilized from a 0.2µm filtered concentrated solution in 1×PBS, pH 7.4.

**Purity:**

Greater than 97.0% as determined by (a) Analysis by HPLC. (b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized SERPINI1 in sterile 18M-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized SERPINI1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution SERPINI1 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

MTGATFPEEA IADLSVNMYN RLRATGEDEN ILFSPSIAL AMGMMEGAQ GSTQKEIRHS MGYDSLKNGE  
EFSFLKEFSN MVTAKESQYV MKIANSLFVQ NGFHVNEEFL QMMKKYFNAA VNHVDFSQNV AVANYINKWV  
ENNTNNLVKD LVSPRDFDAA TYLALINAVY FKGWKSQFR PENTRTFSFT KDESEVQIP MMYQQGEFYY  
GEFSDGSNEA GGIYQVLEIP YEGDEISMML VLSRQEVPLA TLEPLVKAQL VEEWANSVKK QKVEVYLPF  
TVEQEIDLKD VLKALGITEI FIKDANLTGL SDNKEIFLSK AIHKSFLVNV EEGSEAAAVS GMIAISRMVA  
LYPQVVDHP FFLIRNRRT GTILFMGRVM HPETMNTSGH DFEEL.

**Biological Activity:**

Determined by the dose-dependent stimulation of the proliferation of rat C6 cells using a concentration range of 0.3-0.6 µg/ml.