

Serpin Peptidase Inhibitor, Clade I Member 1 Human Recombinant

Item Number	rAP-4763
Synonyms	Neuroserpin, Peptidase inhibitor 12, PI-12, Serpin I1, SERPIN1, PI12.
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. SERPIN1 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q99574
Amino Acid Sequence	MTGATFPEEA IADLSVNMVN RLRATGEDEN ILFSPLSIAL AMGMELGAQ GSTQKEIRHS MGYDSLK- NGE EFSFLKEFSN MVTAKESQYV MKIANSLFVQ NGFHVNEEFL QMMKKYFNAA VNHVDFSQNV AVANYINKWV ENNTNNLVKD LVSPRDFDAA TYLALINAVY FKGWKSQFR PENTRTFSFT KDESEVQIP MMYQQGEFY GEFSDGSNEA GGIYQVLEIP YEGDEISMML VLSRQEVPLA TLEPLV- KAQL VEEWANSVKK QKVEVYLPRF TVEQEIDLKD VLKALGITEI FIKDANLTGL SDNKEIFLSK AIHKS- FLEVN EEGSEAAAVS GMIAISRMV LYPQVVDHP FFLIRNRRT GTILFMGRVM HPETMNTSGH
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized SERPIN1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution SERPIN1 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.
Formulation and Purity	The protein was Lyophilized from a 0.2µm filtered concentrated solution in 1×PBS, pH 7.4. Greater than 97.0% as determined by (a) Analysis by HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized SERPIN1 in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**