

# Human SERPINA1 Recombinant Protein



RPPB4626

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## Product Information    Protein Information

**Product SKU:**

RPPB4626

**Accession:**

P01009

**Host:**

Rice Grain (*Oryza Sativa*).

**Protein description:**

SERPINA1 Human Recombinant produced in rice is a single, non-glycosylated polypeptide chain containing 384 amino acids and having a molecular mass of 43.1 kDa. The SERPINA1 protein is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Alpha-1-antitrypsin, Alpha-1 protease inhibitor, Alpha-1-antiproteinase, SERPINA1, A1AT, PI, A1A, AAT, PI1, MGC9222, PRO2275, MGC23330.

**Formulation:**

SERPINA1 was lyophilized from a concentrated solution containing recombinant Albumin.

**Purity:**

Greater than 95% as determined by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized SERPINA1 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 SERPINA1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution SERPINA1 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Biological Activity:**

3~5 mg SERPINA1 will inhibit 1 mg PPE with an activity of 10.8 units per mg protein