

# Human SERPINA1 Recombinant Protein



RPPB4625

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## Product Information    Protein Information

**Product SKU:**

RPPB4625

**Accession:**

P01009

**Host:**

Escherichia Coli.

**Protein description:**

SERPINA1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 395 amino acids (25-418) and having a molecular mass of 44.4 kDa. The SERPINA1 protein is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered colorless solution.

**Synonyms:**

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

**Formulation:**

The protein solution contains 20mM Tris-HCl pH-7.5, 1mM DTT, 10% glycerol, and 2mM EDTA.

**Purity:**

Greater than 90% as determined by SDS-PAGE.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid Sequence:**

MEDPQGDAAQ KTDTSHHQD HPTFNKITPN LAEFAFLYR QLAHQSNSTN IFFSPVSIAT AFAMLSLGTK  
ADTHDEILEG LNFNLTEIPE AQIHEGFQEL LRTLNQPSQ LQLTTGNGLF LSEGLKLVDK FLEDVKKLYH  
SEFTVNFVD TEEAKKQIND YVEKGTQGKI VDLVKELDRD TVFALVNYIF FKGKWERPFE VKDTEEDFH  
VDQVTTVKVP MMKRLGMFNI QHCKKLSSWV LLMKYLGNAT AIFFLPDEGK LQHLENELTH DIITKFLNE  
DRRSASLHLP KLSITGTYDL KSVLGQLGIT KVFSNGADLS GVTEEAPLKL SKAVHKAVLT IDEKGTEAAG  
AMFLEAIPMS IPPEVKFNKP FVFLMIDQNT KSPLFMGKVV NPTQK.