

RP00443

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Recombinant Human Serpin A1/a1-Antitrypsin Protein

Catalog No.: RP00443

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	5265	P01009

Tags

C-6×His

Synonyms

A1A; A1AT; AAT; PI; PI1; PRO2275; alpha1AT; SERPINA1; A1AT; AAT; PI; PI1; PRO2275; alpha1AT

Product Information

Source

HEK293 cells

Purification

> 95% by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of 20 mM TrisHCl, 150 mM NaCl, 2 mM CaCl₂, pH 7.5. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

This protein is secreted and is a serine protease inhibitor whose targets include elastase, plasmin, thrombin, trypsin, chymotrypsin, and plasminogen activator. Defects in this gene can cause emphysema or liver disease. Several transcript variants encoding the same protein have been found for this gene.

Basic Information

Description

Recombinant Human Serpin A1/a1-Antitrypsin Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Glu25-Lys418) of human Serpin A1/a1-Antitrypsin (Accession #P01009) fused with a 6×His tag at the C-terminus.

Bio-Activity

Storage

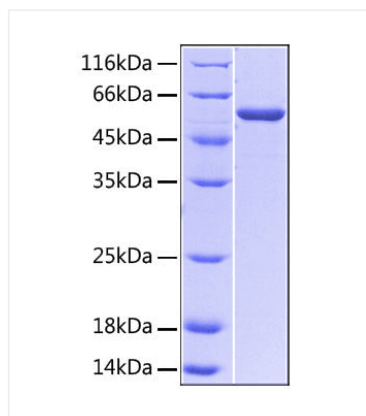
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant protein Human Serpin A1/a1-Antitrypsin was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 55 kDa.