

# Mouse Alpha 1 Antitrypsin / Serpin A1a (His Tag) recombinant protein



Catalog Number: 504511

## General Information

### Protein Construction

A DNA sequence encoding the mouse Serpina1a (XP\_003945711.1) (Met1-Lys413) was expressed with a C-terminal polyhistidine tag.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Glu 25

### Molecular Mass

The recombinant mouse Serpina1a comprises 400 amino acids and has a predicted molecular mass of 44.9 kDa. The apparent molecular mass of the

protein is approximately 45-50 kDa in SDS-PAGE under reducing conditions due to glycosylation.

### Formulation

Lyophilized from sterile PBS, pH 7.4.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

### Storage

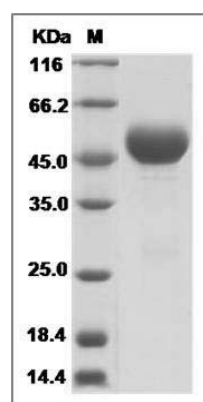
Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ .

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Mouse Alpha 1 Antitrypsin / SerpinA1a Protein (His Tag) SDS-PAGE