Mouse Alpha 1 Antitrypsin / SerpinA1a Protein (Fc Tag)

Catalog Number: 51172-M02H

Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Name Synonym:

Serpina1a, Dom1, Spi1-1

Protein Construction:

A DNA sequence encoding the mouse Serpina1a (XP_003945711.1) (Met1-Lys413) was expressed with the Fc region of human IgG1 at the C-terminus.

Source: Mouse

Expression Host: Human Cells

QC Testing

Purity: > 95 % as determined by SDS-PAGE

Bio-Activity:

Measured by its ability to inhibit trypsin cleavage of a fluorogenic peptide substrate,Mca-Arg-Pro-Lys-Pro-Val-Glu-Nval-Trp-Arg-Lys (DNP)-NH2. The IC50 value is < 1 nM.

Endotoxin:

< 1.0 EU per μg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 ℃

Predicted N terminal: Glu 25

Molecular Mass:

The recombinant mouse Serpina1a comprises 627 amino acids and has a predicted molecular mass of 70.2 kDa. The apparent molecular mass of the protein is approximately 67-77 kDa in SDS-PAGE under reducing conditions due to glycosylation.

Formulation:

Lyophilized from sterile PBS, pH 7.4.

Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

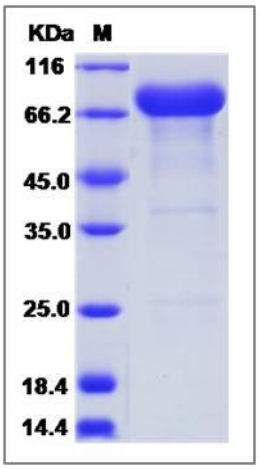
Usage Guide

Storage:

Store it under sterile conditions at -20℃ to -80℃ upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

SDS-PAGE:



Reconstitution:

Detailed reconstitution instructions are sent along with the products.