

Mouse SerpinA11 Protein (His Tag)

Catalog Number: 50435-M08H



Sino Biological Inc.

Biological Solution Specialist

General Information

Gene Name Synonym:

Gm895

Protein Construction:

A DNA sequence encoding the mouse SERPINA11 isoform 1 (NP_955018.2) (Met 1-Gly 424) was expressed, fused with a polyhistidine tag at the C-terminus.

Source: Mouse

Expression Host: Human Cells

QC Testing

Purity: > 94 % as determined by SDS-PAGE

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 °C

Predicted N terminal: Gln 22

Molecular Mass:

The secreted recombinant mouse SERPINA11 comprises 414 amino acids and has a predicted molecular mass of 46.2 kDa. As a result of glycosylation, the apparent molecular mass of rm SERPINA11 is approximately 60-65 kDa in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 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:

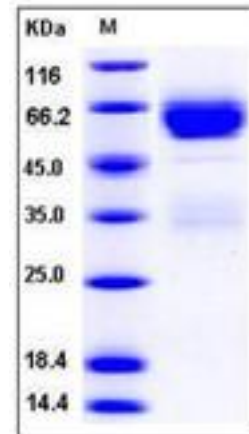
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

Serpins are the largest and most diverse family of serine protease inhibitors which are involved in a number of fundamental biological processes such as blood coagulation, complement activation, fibrinolysis, angiogenesis, inflammation and tumor suppression and are expressed in a cell-specific manner. Serpins are a group of proteins with similar structures that were first identified as a set of proteins able to inhibit proteases. The acronym serpin was originally coined because many serpins inhibit chymotrypsin-like serine proteases (serine protease inhibitors). Over 1000 serpins have been identified. Mouse Serpin A11, also known as SERPINA11, is a member of the serpin family.

References

- 1.Irving JA. et al., 2000, Genome Res. 10: 1845-64.
- 2.Irving J. et al., 2002, Mol Biol Evol 19 (11): 1881-90.
- 3.Forsyth, S. et al., 2003, Genomics 81: 336-345.

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Fax :+86-10-51029969 • Tel:+86-400-890-9989 • <http://www.sinobiological.com>