

Active Recombinant Mouse Serpina1a protein(Met1-Lys413), hFc-tagged

Cat. No. Serpina1a-472M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Serpina1a (XP_003945711.1) (Met1-Lys413) was expressed in HEK293 with the Fc region of Human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Lys413
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
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)-NH ₂ . The IC ₅₀ value is < 1 nM.
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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage

Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA