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Serpina3c
Recombinant Mouse Serpin A3C (His Tag)

Catalog No.	CRM600A-His CRM600B-His	**Quantity:**	50 µg 100 µg

Alternate Names: Serine protease inhibitor A3C, Serpin A3C, Kallikrein-binding protein, KBP

Description: Serine proteases are a highly conserved enzyme family involved in diverse physiological processes, ranging from blood coagulation, fibrinolysis, and inflammation to immunity. Serine proteases are regulated inhibitory proteins called Serpins which are highly expressed in the liver, but expressed through the human body. . Serpin deficiencies and mutations have been identified in patients with Parkinson disease, chronic obstructive pulmonary disease, cystic fibrosis and vasculitis. Polymorphisms in Serpin A3C appear to be tissue specific and influence protease targeting. Variations in Serpin A3c sequence have been implicated in Alzheimer's disease, and deficiency of this protein has been associated with liver disease.

UniProt ID: P29621

Accession Number: NP_032484.1

Protein Construction: A DNA sequence encoding the extracellular domain of mouse SERPINA3C precursor (Met 1-Ala 417) was expressed, with a C-terminal polyhistidine tag.

Source: HEK293 Cells

Formulation: Lyophilized from sterile PBS, pH 7.4
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

Molecular Weight: The secreted rmSerpin A3C consists of 406 aa with a predicted MW of 46 kDa and migrates at ~50-60 kDa and ~110 kDa in SDS-PAGE under reducing conditions, due to glycosylation.

Purity: >95 % as determined by SDS-PAGE.

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

Biological Activity: Testing in progress

Predicted N-terminal: Asp 23

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial.
DO NOT VORTEX. Allow several minutes for complete reconstitution.

Storage & Stability: Stable for up to 1 year from date of receipt at -20°C to -80°C
After reconstitution, store working aliquots at -20°C to -80°C.
Avoid repeated freeze-thaw cycles.

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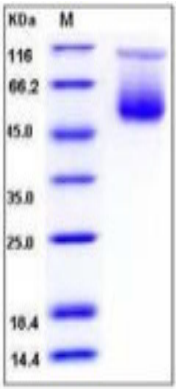
SDS-PAGE



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