

Rat Serpina3n Protein

Cat. No. SEP-RM101

Description

| | |
|-------------------------|---|
| Source | Recombinant Rat Serpina3n Protein is expressed from HEK293 with His tag at the C-terminal. It contains Thr30-Lys418. |
| Accession | P09006 |
| Molecular Weight | The protein has a predicted MW of 44.67 kDa. Due to glycosylation, the protein migrates to 50-65 kDa based on Tris-Bis PAGE result. |
| Endotoxin | Less than 1EU per µg by the LAL method. |
| Purity | > 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC |

Formulation and Storage

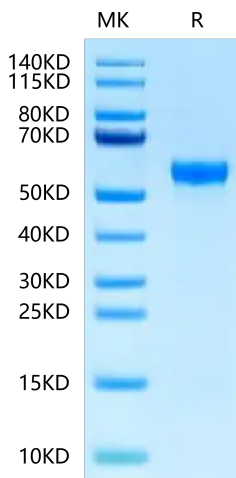
| | |
|-----------------------|---|
| Formulation | Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| Storage | -20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

Background

Serpina3n is a secretory serine protease inhibitor belonging to clade "a" exhibiting unique structural and physiological characteristics, playing significant roles ranging from complement cascade, apoptosis, wound healing to Alzheimer by inhibiting a wide range of proteases.

Assay Data

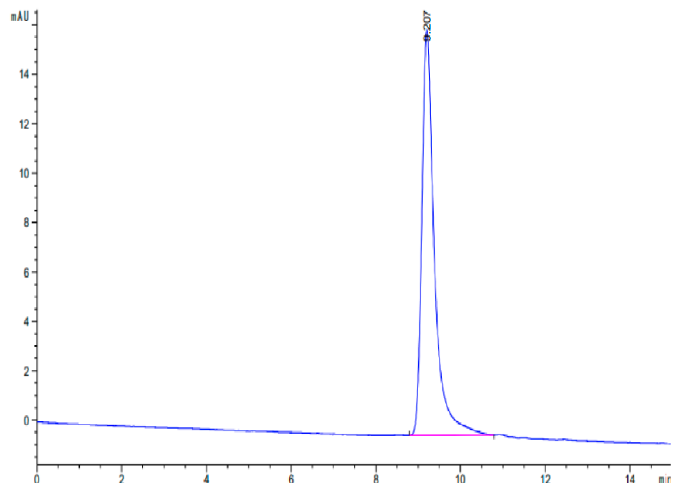
Tris-Bis PAGE



Rat Serpina3n on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Rat Serpina3n is greater than 95% as determined by SEC-HPLC.