

Rat Serpina3n Protein

Cat. No. SEP-RM101



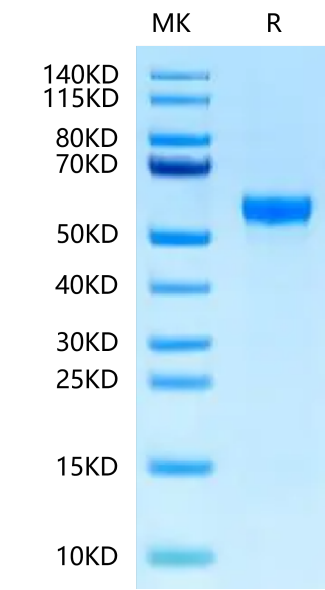
Description	
Source	Recombinant Rat Serpina3n Protein is expressed from HEK293 with His tag at the C-terminus. It contains Thr30-Lys418.
Accession	P09006
Molecular Weight	The protein has a predicted MW of 44.67 kDa. Due to glycosylation, the protein migrates to 50-65 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris 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	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months 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

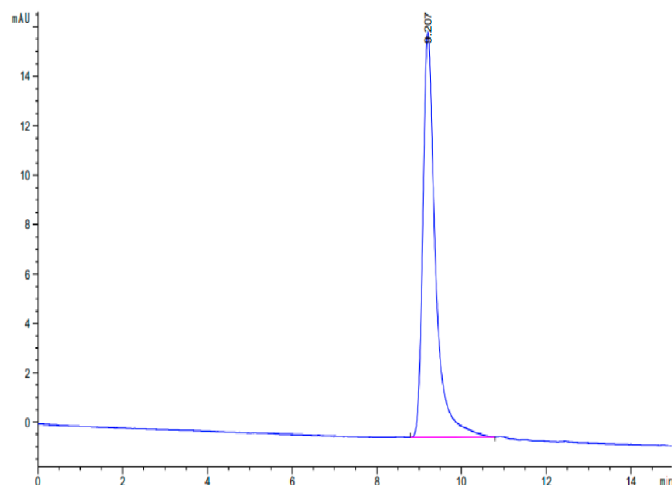
Bis-Tris PAGE



Rat Serpina3n on Bis-Tris 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.