

# Human SERPINF2/A2AP Protein, Ultra Low Endotoxin



Cat. No. SPF-HM101-UL

## Description

<b>Source</b>	Recombinant Human SERPINF2/A2AP Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Met28-Lys491.
<b>Accession</b>	P08697-1
<b>Molecular Weight</b>	The protein has a predicted MW of 52.9 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 0.001 EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC

## Formulation and Storage

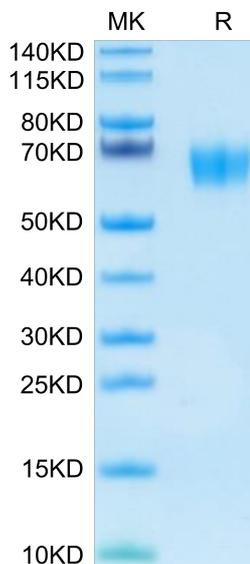
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
<b>Storage</b>	-20 to -80°C for 24 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

Large-pool solvent/detergent (SD) plasma for transfusion exhibits reduced alpha 2-antiplasmin (alpha2-AP; SERPINF2) functional activity. The reason for the loss of alpha2-AP has not been described and could be due to the SD incubation itself and/or to the processing steps implemented to remove the solvent and the detergent.

## Assay Data

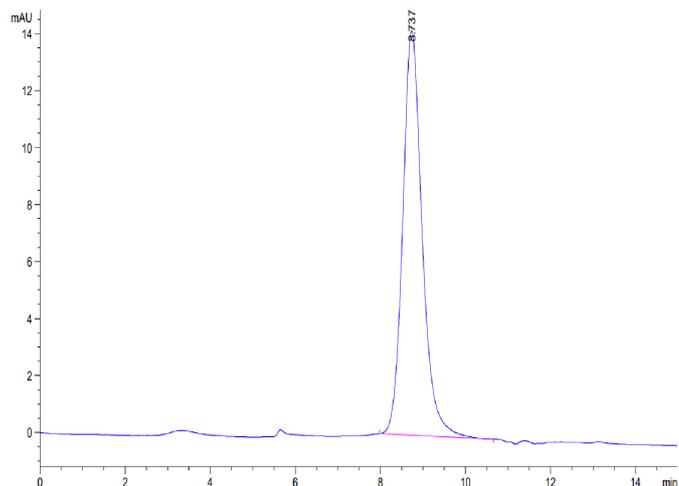
### Bis-Tris PAGE



Human SERPINF2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

Assay Data

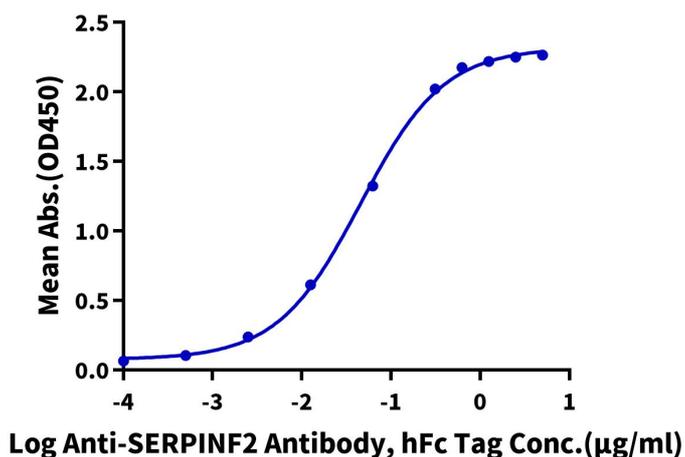


The purity of Human SERPINF2 is greater than 90% as determined by SEC-HPLC.

ELISA Data

**Human SERPINF2, His Tag ELISA**

0.5µg Human SERPINF2, His Tag Per Well



Immobilized Human SERPINF2, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Anti-SERPINF2 Antibody, hFc Tag with the EC50 of 45.5ng/ml determined by ELISA (QC Test).