

RP01203

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# Recombinant Human Serpin D1/Heparin cofactor 2 Protein

Catalog No.: RP01203

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	3053	P05546

### Tags

C-His

### Synonyms

SERPIND1;D22S673;HC2;HCF2;HCII;HL S2;LS2;THPH10

## Product Information

Source	Purification
HEK293 cells	> 90% by SDS-PAGE.

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of 50mM Tris, 150mM NaCl, pH7.5. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

## Background

## Basic Information

### Description

Recombinant Human Serpin D1/Heparin cofactor 2 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly20-Ser499) of human Serpin D1/Heparin Cofactor II (Accession #NP\_000176.2.) fused with a 6×His tag at the C-terminus.

### Bio-Activity

Measured by its ability to inhibit Recombinant Human Coagulation Factor II/Thrombin cleavage of a fluorogenic peptide substrate Boc-VPR-AMC. The IC50 value is <0.19 nM.

### Storage

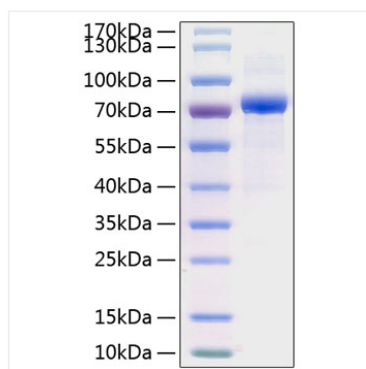
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Contact

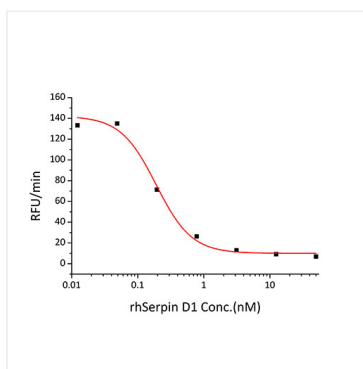


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## Validation Data



Recombinant Human Serpin D1/Heparin cofactor 2 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 70-80 kDa.



Recombinant human SERPIND1 inhibits Recombinant Human Coagulation Factor II/Thrombin cleavage of a fluorogenic peptide substrate Boc-VPR-AMC. The IC50 value is <0.19 nM.