

Datasheet for ABIN2181748

SERPIND1 Protein (AA 20-499) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	SERPIND1
Protein Characteristics:	AA 20-499
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SERPIND1 protein is labelled with His tag.

Product Details

Sequence:	AA 20-499
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 55.7 kDa. The protein migrates as 65-70 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>95 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	SERPIND1
Alternative Name:	Serpin D1 (SERPIND1 Products)

Target Details

Background:	Serpin D1 is also known as Heparin cofactor 2 (HCF2), Protease inhibitor leuserpin-2 (HLS2), Heparin cofactor II (HC-II), which belongs to the serpin family. HCF2 is expressed predominantly in liver. Thrombin inhibitor activated by the glycosaminoglycans, heparin or dermatan sulfate. In the presence of the latter, SerpinD1 / HC-II becomes the predominant thrombin inhibitor in place of antithrombin III (AT-III). In a glycosaminoglycan-independent manner, serpinD1 / HC-II also inhibits chymotrypsin. Peptides at the N-terminal of HC-II have chemotactic activity for both monocytes and neutrophils.
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Molecular Weight:	55.7 kDa
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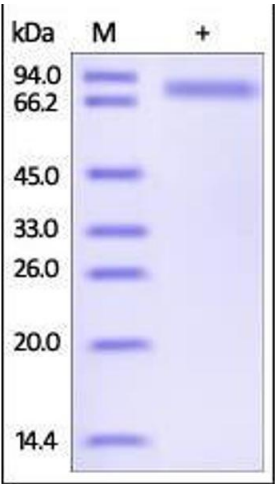
Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	50 mM Tris, 150 mM NaCl, pH 7.5
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C), After reconstitution under sterile conditions for 3 months (-70 °C).

Images



SDS-PAGE

Image 1. Human Serpin D1, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.