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## **SERPIND1 Protein (His tag)**





Go to Product page

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Quantity:	50 μg
Target:	SERPIND1
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SERPIND1 protein is labelled with His tag.
Product Details	
Purpose:	Recombinant Mouse SerpinD1/HCF2 Protein (His Tag)
Sequence:	Glu24-Ser478
Characteristics:	Recombinant Mouse Serine Protease Inhibitor-clade D1 is produced by our Mammalian expression system and the target gene encoding Glu24-Ser478 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Target Details	
Target:	SERPIND1
Alternative Name:	SerpinD1/HCF2 (SERPIND1 Products)
Background:	Background: SerpinD1, also known as heparin cofactor II(HC-II), is a member of Serpin

superfamily of the serine proteinase inhibitors. It is a single chain glycoprotein with a size of

#### **Target Details**

66.5 kDa and is secreted from hepatocytes. HC-II acts as a thrombin inhibitor in the coagulation cascade, in a glycosaminoglycan-dependent pathway using the release of a sequestered hirudin-like N-terminal tail for interaction with thrombin. This serpin belongs to multiple member group V2 of vertebrate serpin classification. It has been suggested that HC-II is a predictor of decreased atherosclerosis in the elderly and protective against atherosclerosis in mice. HCII can used as a predictive biomarker and therapeutic target for atherosclerosis.

Synonym: Heparin cofactor 2, Heparin cofactor II, HC-II, Protease inhibitor leuserpin-2, Serpin D1

Molecular Weight:

53.1 kDa

UniProt:

P49182

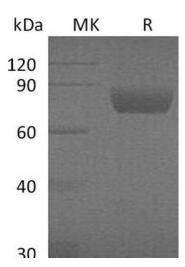
#### **Application Details**

Restrictions:

For Research Use only

#### Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM HEPES,150 mM NaCl, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
	Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted
	samples are stable at < -20°C for 3 months.



### **Western Blotting**

Image 1.