

## 32-8666: Recombinant Mouse Serpin D1/Heparin Cofactor II/HCF2 (C-6His)

**Gene :** Serpind1

**Gene ID :** 15160

**Uniprot ID :** P49182

### Description

Source: Human Cells.

MW :53.1kD.

Recombinant Mouse Serpin D1/Heparin cofactor 2/HCF2 is produced by our Mammalian expression system and the target gene encoding Glu24-Ser478 is expressed with a 6His tag at the C-terminus. 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 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.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM HEPES,150mM NaCl,pH7.4.

**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

**Amino Acid :** EQLTNNENLTTSFLPANFHKENTVTNDWIPEGEEDDYLDLEKLLGEDDDYIIDA VSP TDESSAGN ILQLFQ GK  
SRIQRNLINLNAKFANLYRVLKQDATTSDNLFIA PVGISTAMGMISLGLRGETHEEVH SVLHFRDFVNASSKYEV T  
TIHNLFRKLTHRLFRRNFGYTLRSVNGLYIQKQFPIREDFKAAMREFYFAEAQEANFPDPAFISKANNHILKLTGKL  
IKEALENIDPATQMLILNCIYFKGTWVNKFPVEMTHNHNFR LNEREVVKVSM MQTKGNFLAANDQELDCDILQL  
EYVGGISMLIVVPRKLSGMKTLEAQLTPQVVERWQKSM TNRTREVL LPKFKLEKNYNLVEVLKSMGITKLFNKN  
GNMSGISDQRIAIDLFKHQSTITVNEEGTQAAAVTTVGF MPLSTQVRFTVDRPFLFLVYEHRTSCLLFMGKVTNP  
AKSVDHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.