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# 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 :** EQLTNENLTTSFLPANFHKENTVTNDWIPEGEEDEDYLDLEKLLGEDDDYIYIIDAVSPTDSESSAGNILQLFQGK SRIQRLNILNAKFAFNLYRVLKDQATTSDNLFIAPVGISTAMGMISLGLRGETHEEVHSVLHFRDFVNASSKYEVT TIHNLFRKLTHRLFRRNFGYTLRSVNGLYIQKQFPIREDFKAAMREFYFAEAQEANFPDPAFISKANNHILKLTKGL IKEALENIDPATQMLILNCIYFKGTWVNKFPVEMTHNHNFRLNEREVVKVSMMQTKGNFLAANDQELDCDILQL EYVGGISMLIVVPRKLSGMKTLEAQLTPQVVERWQKSMTNRTREVLLPKFKLEKNYNLVEVLKSMGITKLFNKN GNMSGISDQRIAIDLFKHQSTITVNEEGTQAAAVTTVGFMPLSTQVRFTVDRPFLFLVYEHRTSCLLFMGKVTNP AKSVDHHHHHH

## Application Note

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