

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 : Content :	10 μg / 50 μg 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/ \tilde{A} \square $\hat{A}\mu$ g (1 IEU/ \tilde{A} \square $\hat{A}\mu$ g) as determined by LAL test.