Recombinant Human Heparin cofactor 2 (SERPIND1)

Product Code	CSB-EP021080HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P05546
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	G SKGPLDQLEK GGETAQSADP QWEQLNNKNL SMPLLPADFH KENTVTNDWI PEGEEDDDYL DLEKIFSEDD DYIDIVDSLS VSPTDSDVSA GNILQLFHGK SRIQRLNILN AKFAFNLYRV LKDQVNTFDN IFIAPVGIST AMGMISLGLK GETHEQVHSI LHFKDFVNAS SKYEITTIHN LFRKLTHRLF RRNFGYTLRS VNDLYIQKQF PILLDFKTKV REYYFAEAQI ADFSDPAFIS KTNNHIMKLT KGLIKDALEN IDPATQMMIL NCIYFKGSWV NKFPVEMTHN HNFRLNEREV VKVSMMQTKG NFLAANDQEL DCDILQLEYV GGISMLIVVP HKMSGMKTLE AQLTPRVVER WQKSMTNRTR EVLLPKFKLE KNYNLVESLK LMGIRMLFDK NGNMAGISDQ RIAIDLFKHQ GTITVNEEGT QATTVTTVGF MPLSTQVRFT VDRPFLFLIY EHRTSCLLFM GRVANPSRS
Source	E.coli
Target Names	SERPIND1
Protein Names	Recommended name: Heparin cofactor 2 Alternative name(s): Heparin cofactor II Short name= HC-II Protease inhibitor leuserpin-2 Short name= HLS2 Serpin D1
Expression Region	20-499
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	The product encoded by this gene is a serine proteinase inhibitor which rapidly inhibits thrombin in the presence of dermatan sulfate or heparin. The gene contains five exons and four introns. This protein shares homology with antithrombin III and other members of the alpha 1-antitrypsin superfamily. Mutations in this gene are associated with heparin cofactor II deficiency.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.
Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.