

**SERPIND1, 58-499aa, Human, His tag, E.coli**

**Cat.NO.: TP03903**

3th Edition

**Synonyms:**Heparin cofactor 2 precursor, D22S673, HC2, HCF2, HCII, HLS2, LS2, THPH10

**Description:**SERIND1 is a serine proteinase inhibitor which rapidly inhibits thrombin in the presence of dermatan sulfate or heparin. This protein contains five exons and four introns. It 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. Recombinant human SERIND1 protein, fused to His-tag at N-terminus, was expressed in E.coli

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea

**Molecular Weight:**53.3 kDa ( 465aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSDFFHKENTVTNDWIPEGEEDDDYLDLEKIFSEDDDDYIDIVDSLSVSPDSDVSA  
GNILQLFHGKSRIQRLNILNAKFAFNLYRVLKQVNTFDNIFIAPVGISTAMGMISLGLKGETHEQVHSILHFKDFVNA  
SSKYEITTIHNLFRKLTHRLFRNFGYTLRSVNDLYIQKQFPILLDFKTKVREYYFAEAQIADFSDPAFISKTNNHIMKL  
TKGLIKDALENIDPATQMMILNCIYFKGSWVNKFPVEMTHNHNFRNLNEREVVKVSMMQTKGNFLAANDQELDCDIL  
QLEYVGGISMLIVVPHKMSGMKTLEAQLTPRVVERWQKSMTNRTREVLLPKFKLEKNYNLVECLKLMGIRMLFDKN  
GNMAGISDQRIADLFKHQGTITVNEEGTQATTVTTVGFMPPLSTQVRFTVDRPFLFIYEHRTSCLLFMGRVANPSRS

**Purity:**> 95% by HPLC

**Concentration:**1.0 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.