

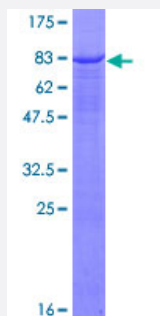
Full-Length

SERPIND1 (Human) Recombinant Protein (P01)

Catalog # H00003053-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SERPIND1 full-length ORF (AAH35028.1, 1 a.a. - 499 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MKHSLNALLIFLIITSAWGGSKGPLDQLEKGGETAQSADPQWEQLNNKNLSMPLLPADPHKENTV
TNDWIPEGEEDDDYLDLEKIFSEDDDYIDVDSLVSPTSDVSAGNQLFHFHGSRIQRLNIVNAKF
AFNLRYVLKDQVNTFDNIFAPVGISTAMGMISLGLKGETHEQVHSILHFKDFVNASSKYEITTIHNL
RKLTHRLFRNFGYTLRSVNDLYIQKQFPILLDFKTKVREYYFAEAQIADFSDPAFISKTNNHIMKLT
GLIKDALENIDPATQMMILNCYFKGSWVNKFPVEMTHNHNFRNLNEREVVKVSMMQTKGNFLAAN
DQELDCDILQLEYVGGISMLIVPHKMSGMKTLEAQLTPGVVERWQKSMTNRTREVLLPKFKLEK
NYNLVESLKLGMIRMLFDKNGNMAGISDQRIADLFKHQGTITVNEEGTQATTVTTVGFMPPLSTQVR
FTVDRPFLFLIYEHRTSCLLFMGRVANPSRS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

83.4

Interspecies Antigen Sequence

Mouse (82); Rat (82)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SERPIND1

Entrez GeneID	3053
GeneBank Accession#	BC035028.2
Protein Accession#	AAH35028.1
Gene Name	SERPIND1
Gene Alias	D22S673, HC2, HCF2, HCII, HLS2, LS2
Gene Description	serpin peptidase inhibitor, clade D (heparin cofactor), member 1
Omim ID	142360
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	heparin cofactor III userpin 2 serine (or cysteine) proteinase inhibitor, clade D (heparin cofactor), member 1

Pathway

- [Complement and coagulation cascades](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)