

Recombinant Human SERPIND1 protein, His-tagged

Cat. No. SERPIND1-4433H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SERPIND1 protein(149-499 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	149-499 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients.
AASequence	DNIFIAPVGISTAMGMISLGLKGETHEQVHSILHFKDFVNASSKYEITTIHNLFRKLTHR LFRRNFGYTLRSVNDLYIQKQFPILLDFKTKVREYYFAEAQIADFSDPAFISKTNNHIM KLTGLIKDALENIDPATQMMILNCIYFKGSWVNKFPVEMTHNHNFRNLNEREVVKVS MMQTKGNFLAANDQELDCDILQLEYVGGISMLIVVPHKMSGMKTLEAQLTPGVVER WQKSMTNRTREVLLPKFKLEKNYNLVESLKLGMIRMLFDKNGNMAGISDQRIADLF KHQGTITVNEEGTQATTVTTVGFMPPLSTQVRFTVDRPFLFLIYEHRTSCLLFMGRVA NPSRS
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months,

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reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name SERPIND1 serpin peptidase inhibitor, clade D (heparin cofactor), member 1 [Homo sapiens]

Official Symbol SERPIND1

Synonyms SERPIND1; serpin peptidase inhibitor, clade D (heparin cofactor), member 1; HCF2, serine (or cysteine) proteinase inhibitor, clade D (heparin cofactor), member 1; heparin cofactor 2; D22S673; HC II; HC2; heparin cofactor II; HLS2; serpin D1; leuserpin 2; protease inhibitor leuserpin-2; serine (or cysteine) proteinase inhibitor, clade D (heparin cofactor), member 1; LS2; HCF2; HCII; THPH10;

Gene ID 3053

mRNA Refseq NM_000185

Protein Refseq NP_000176

MIM 142360

UniProt ID P05546

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