

Serpin Peptidase Inhibitor, Clade D Member 1 Human Recombinant

Item Number	rAP-4761
Synonyms	Serpin Family D Member 1, Serine (Or Cysteine) Proteinase Inhibitor Clade D (Heparin Cofactor) Member 1, Serpin Peptidase Inhibitor Clade D (Heparin Cofactor) Member 1, Protease Inhibitor Leuserpin-2, Heparin Cofactor II, Heparin Cofactor 2, Serpin D1, HC
Description	SERPIND1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 465 amino acids (58-499) and having a molecular mass of 53.3kDa. SERPIND1 is fused to a 23 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.
Uniprot Accession Number	P05546
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSDFHKENT VTNDWIPEGE EDDDYLDLEK IFSEDDDYID IVDSLVSPT DSDVSAGNIL QLFHGKSRIQ RLNILNAKFA FNLYRVLKDQ VNTFDNIFIA PVGISTAMGM ISLGLKGETH EQVHSILHFK DFNASSKYE ITTIHNLFRK LTHRLFRRNF GYTLRSVNDL YIQKQFPILL DFKTKVREYY FAEAQIADFS DPAFISKTNN HIMKLTGGLI KDALENIDPA TQMMILNCIY FKGSWVNKFP VEMTHNHNFR LNEREVVKVS MMQTKGNFLA ANDQELDCDI LQLEYVGGIS MLIVVPHKMS GMKTLEAQLT PRVVERWQKS MTNRTREVLL PKFKLEKNYN LVESLKLMI RMLFDKNGNM
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The SERPIND1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea. Greater than 85% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**