

## Product datasheet for **AR51585PU-N**

### SERPIND1 (58-499, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	SERPIND1 (58-499, His-tag) human protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSDFHKENT VTNDWIPEGE EDDDYLDLEK IFSEDDDYID IVDLSVSPTS DSDVSAGNIL QLFHGKSRIQ RLNILNAKFA FNLYRVLKDQ VNTFDNIFIA PVGISTAMGM ISLGLKGETH EQVHSILHFK DFNASSKYE ITTIHNLFRK LTHRLFRRNF GYTLRSVNDL YIQKQFPILL DFKTKVREYY FAEAQIADFS DPAFISKTNN HIMKLTKGLI KDALENIDPA TQMMILNCIY FKGSWVNKFP VEMTHNHNFR LNEREVKVS MMQTKGNFLA ANDQELDCDI LQLEYVGGIS MLIVPHKMS GMKTLEAQLT PRVVERWQKS MTNRTREVLL PKFKLEKNYN LVESLKLMDI RMLFDKNGNM AGISDQRIAI DLFKHQGTIT VNEEGTQATT VTTVGFMPPLS TQVRFTVDRP FLFLIYEHRT SCLLFMGRVA NPSRS
Tag:	His-tag
Predicted MW:	53.3 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea
Preparation:	Liquid purified protein
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_000176</a>
Locus ID:	3053
UniProt ID:	<a href="#">P05546</a> , <a href="#">Q8IVC0</a>
Cytogenetics:	22q11.21
Synonyms:	D22S673; HC2; HCF2; HCII; HLS2; LS2; THPH10



[View online »](#)

**Summary:**

This gene belongs to the serpin gene superfamily. Serpins play roles in many processes including inflammation, blood clotting, and cancer metastasis. Members of this family have highly conserved secondary structures with a reactive center loop that interacts with the protease active site to inhibit protease activity. This gene encodes a plasma serine protease that functions as a thrombin and chymotrypsin inhibitor. The protein is activated by heparin, dermatan sulfate, and glycosaminoglycans. Allelic variations in this gene are associated with heparin cofactor II deficiency. [provided by RefSeq, Jul 2015]

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Complement and coagulation cascades

**Product images:**