

## Recombinant Human SERPINA1 protein, His-tagged

Cat. No. SERPINA1-8433H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SERPINA1 protein(28-418 aa), fused with N-terminal His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	28-418 aa
<b>Tag</b>	N-His
<b>Form</b>	The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.
<b>Purity</b>	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
<b>Reconstitution</b>	Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage.

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**AA Sequence**

QGDAAQKTDTSHHDDHPTFNKITPNLAEFASFSLYRQLAHQSNSTNIFFSPVSIATAF  
 AMLSLGTKADTHDEILEGLNFNLTEIPEAQIHEGFQELLRTLNPDSQLQLTTGNGLF  
 LSEGLKLVDKFLEDVKKLYHSEAFTVNFGDTEEAKKQINDYVEKGTQGGKIVDLVKELD  
 RDTVFALVNYIFFKWKWERPFVVDTEEEDFHVDQATTVKVPMKRLGFMFNIQHCK  
 KLSSWVLLMKYLGNATAIFFLPDEGKLQHLENELTHDIITKFLNEDRRSASLHLPKLS  
 ITGTYDLKSVLGQLGITKVFNSGADLSGVTEEAPLKLSKAVHKAVLTIDEKGTEAAGA  
 MFLEAIPMSIPPEVKFNKPFVFLMIEQNTKSPLFMGKVVNPTQK

## GENE INFORMATION

**Gene Name**

SERPINA1 serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1 [ Homo sapiens ]

**Official Symbol**

SERPINA1

**Synonyms**

SERPINA1; serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1; PI, serine (or cysteine) proteinase inhibitor, clade A (alpha 1 antiproteinase, antitrypsin), member 1; alpha-1-antitrypsin; A1A; A1AT; AAT; alpha 1 antitrypsin; alpha1AT; PI1; protease inhibitor 1 (anti elastase); serpin A1; alpha-1-antiproteinase; alpha-1-antitrypsin null; alpha-1 protease inhibitor; protease inhibitor 1 (anti-elastase), alpha-1-antitrypsin; serine (or cysteine) proteinase inhibitor, clade A, member 1; PI; PRO2275; MGC9222; MGC23330;

**Gene ID**

5265

**mRNA Refseq**

NM\_000295

**Protein Refseq**

NP\_000286

**MIM**

107400

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UniProt ID

P01009

SDS-PAGE



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