

Recombinant Human SERPINA1 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human SERPINA1 protein(28-418 aa), fused with N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	28-418 aa
Tag	N-His
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ ,17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	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.
Reconstitution	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

QGDAAQKTDTSHHQDHPNFKITPNLAEFASLYRQLAHQSNSTNIFFSPVSIATAF
 AMLSLGKADTHDEILEGLNFNLTETPEAQIHEGFQELLRTLNPDSQLQLTTGNGLF
 LSEGLKLVDFLEDVKKLYHSEAFTVNFGDTEEAKKQINDYVEKGTQGGKIVDLVKELD
 RDTVFALVNYIFFKWKWERPFVVDTEEDFHVDQATTVKVPMMKRLGMFNIQHCK
 KLSSWVLLMKYLGNATAIFFLPDEGKLQHLENELTHDIITKFLNEDRRSASLHLPKLS
 ITGTYDLKSVLGQLGITKVFSGADLSGVTEEAPLKLSKAVHKAVLTIDEKGTEAAGA
 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

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