

Recombinant Human SERPINA3 protein, His-tagged

Cat. No. SERPINA3-3758H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SERPINA3 protein(70-423 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	70-423 aa
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. The elution buffer contain 300mM imidazole.
AA Sequence	DKNVIFSPLSISTALAFSLGAHNTTLTEILKGLKFNLTTETSEAEIHQSFQHLLRTLNQSD DELQLSMGNAMFVKEQLSLDRFTEDAKRLYGSEAFATDFQDSAAAKKLINDYVKN GTRGKITDLIKDLDSQTMMVLVNYIFFKAKWEMPFDPDQDTHQSRFYLSKKKWVMVP MMSLHHLTIPYFRDEELSCTVVELKYTGNASALFILPDQDKMEEVEAMLLPETLKRWR RDSLEFREIGELYLPKFSISRDNLDILLQLGIEEAFTSKADLSGITGARNLAVSQVV HKAFLDVFEEGTEASAATAVKITLLSALVETRTIVRFNRPFLMIIVPTDTQNIFFMSKVT NPKQA
Purity	90%, 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, buffer

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.
Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name

SERPINA3 serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3 [Homo sapiens]

Official Symbol

[SERPINA3](#)

Synonyms

SERPINA3; serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3; AACT, alpha 1 antichymotrypsin , serine (or cysteine) proteinase inhibitor, clade A (alpha 1 antiproteinase, antitrypsin), member 3; alpha-1-antichymotrypsin; ACT; alpha 1 antichymotrypsin; serpin A3; growth-inhibiting protein 24; growth-inhibiting protein 25; cell growth-inhibiting gene 24/25 protein; serine (or cysteine) proteinase inhibitor, clade A, member 3; AACT; GIG24; GIG25; MGC88254;

Gene ID

[12](#)

mRNA Refseq

[NM_001085](#)

Protein Refseq

[NP_001076](#)

MIM

[107280](#)

UniProt ID

[P01011](#)

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