

Native Human SERPINA1

Cat. No. SERPINA1-27286TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full length native Human alpha 1 Antitrypsin purified from human plasma.
Species	Human
Description	The protein encoded by this gene is secreted and is a serine protease inhibitor whose targets include elastase, plasmin, thrombin, trypsin, chymotrypsin, and plasminogen activator. Defects in this gene can cause emphysema or liver disease. Several transcript variants encoding the same protein have been found for this gene.
Tissue specificity	Plasma.
Form	Lyophilised:Reconstitute with 222ul distilled water.
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 300mM Sodium chloride, 30mM Sodium phosphate, pH 6.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Sequence Similarities	Belongs to the serpin family.
Full Length	Full L.

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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 antitrypsi
Gene ID	5265
mRNA Refseq	NM_000295
Protein Refseq	NP_000286
MIM	107400
Uniprot ID	P01009
Chromosome Location	14q32.1
Pathway	Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; FOXA1 transcription factor network, organism-specific biosystem; Hemostasis, organism-specific biosystem;
Function	protease binding; protein binding; serine-type endopeptidase inhibitor activity; serine-

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