

## Native Human SERPINA1

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

### SPECIFICATION

<b>Product Overview</b>	Full length native Human alpha 1 Antitrypsin purified from human plasma.
<b>Species</b>	Human
<b>Description</b>	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.
<b>Tissue specificity</b>	Plasma.
<b>Form</b>	Lyophilised:Reconstitute with 222ul distilled water.
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 300mM Sodium chloride, 30mM Sodium phosphate, pH 6.5
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Sequence Similarities</b>	Belongs to the serpin family.
<b>Full Length</b>	Full L.

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## GENE INFORMATION

<b>Gene Name</b>	SERPINA1 serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1 [ Homo sapiens ]
<b>Official Symbol</b>	SERPINA1
<b>Synonyms</b>	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
<b>Gene ID</b>	5265
<b>mRNA Refseq</b>	NM_000295
<b>Protein Refseq</b>	NP_000286
<b>MIM</b>	107400
<b>Uniprot ID</b>	P01009
<b>Chromosome Location</b>	14q32.1
<b>Pathway</b>	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;
<b>Function</b>	protease binding; protein binding; serine-type endopeptidase inhibitor activity; serine-

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