

## Native Human SERPINA3

**Cat. No.** SERPINA3-27285TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Full length Human alpha 1 Antichymotrypsin from plasma, 45 kDa.
<b>Species</b>	Human
<b>Source</b>	Human Plasma
<b>Description</b>	The protein encoded by this gene is a plasma protease inhibitor and member of the serine protease inhibitor class. Polymorphisms in this protein appear to be tissue specific and influence protease targeting. Variations in this proteins sequence have been implicated in Alzheimers disease, and deficiency of this protein has been associated with liver disease. Mutations have been identified in patients with Parkinson disease and chronic obstructive pulmonary disease.
<b>Form</b>	Liquid
<b>Molecular Mass</b>	45 kDa
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage</b>	Shipped at 4°C . Upon delivery aliquot and store at -20°C or -80°C . Avoid repeated freeze / thaw cycles.
<b>Storage Buffer</b>	Preservative: None Constituents: 20mM Tris, 150mM Sodium chloride, pH 7.4
<b>Full Length</b>	Full L.

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## GENE INFORMATION

<b>Gene Name</b>	SERPINA3 serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3 [ Homo sapiens ]
<b>Official Symbol</b>	SERPINA3
<b>Synonyms</b>	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;
<b>Gene ID</b>	12
<b>mRNA Refseq</b>	NM_001085
<b>Protein Refseq</b>	NP_001076
<b>MIM</b>	107280
<b>UniProt ID</b>	P01011
<b>Chromosome Location</b>	14q32.1
<b>Pathway</b>	Selenium Pathway, organism-specific biosystem;
<b>Function</b>	DNA binding; peptidase inhibitor activity; protein binding; serine-type endopeptidase inhibitor activity; serine-type endopeptidase inhibitor activity;

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