

# Native Human Serum Alpha 1-AntiChymoTrypsin

**Cat. No.** SERPINA3-8008H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human Serum Alpha 1-AntiChymoTrypsin was purified from Human Serum.
<b>Species</b>	Human
<b>Source</b>	Human Serum
<b>Description</b>	<p>Human Alpha 1 antichymotrypsin (Alpha 1-ACT) (ACT) is an alpha globulin glycoprotein and serpin. This Human Glycoprotein is found in alpha(1)-globulin region in human serum. Human Alpha 1-antichymotrypsin (ACT)(Alpha 1-ACT) inhibits chymotrypsin-like proteinases in vivo and has cytotoxic killer-cell activity in vitro. Human Alpha 1-antichymotrypsin (ACT)(Alpha 1-ACT) also has a role as an acute-phase protein and is active in the control of immunologic and inflammatory processes, and as a tumor marker. Human Alpha 1-antichymotrypsin (ACT)(Alpha 1-ACT) is a member of the serpin superfamily. Human Alpha 1-antichymotrypsin (Alpha 1-ACT) (ACT) can complex with human PSA to form human PSA-ACT complex which is used as an indicator of tumour mass and clinical stage of prostate cancer.</p>
<b>Form</b>	Lyophilized from 0.02M Tris buffer, pH 7.5 containing 0.15M NaCl
<b>Molecular Mass</b>	68 kDa
<b>Purity</b>	>90% by SDS-PAGE
<b>Stability</b>	2 years

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 45-1 Ramsey Road, Shirley, NY 11967, USA

**Storage** 2-8 °C

## 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;

**Gene ID** 12

**mRNA Refseq** [NM\\_001085](#)

**Protein Refseq** [NP\\_001076](#)

**MIM** 107280

**UniProt ID** [P01011](#)

**Chromosome Location** 14q32.1

**Pathway** Selenium Pathway, organism-specific biosystem;

**Function** DNA binding; peptidase inhibitor activity; protein binding; serine-type endopeptidase inhibitor activity; serine-type endopeptidase inhibitor activity;

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