

Native Human Serum Alpha 1-AntiChymoTrypsin

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

SPECIFICATION

Product Overview	Human Serum Alpha 1-AntiChymoTrypsin was purified from Human Serum.
Species	Human
Source	Human Serum
Description	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.
Form	Lyophilized from 0.02M Tris buffer, pH 7.5 containing 0.15M NaCl
Molecular Mass	68 kDa
Purity	>90% by SDS-PAGE
Stability	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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