

## SERPINA3

### Native Human Alpha-1-Antichymotrypsin

<b>Catalog No.</b>	CSI19774A	<b>Quantity:</b>	0.5 mg
	CSI19774B		1.0 mg

**Alternate Names:** AACT, ACT, GIG24, GIG25, MGC88254

**Description:** Alpha-1-Antichymotrypsin (AACT) is an alpha globulin glycoprotein that is a member of the serine proteinase inhibitor (serpin) family. It inhibits the activity of certain proteinases, such as cathepsin G that are found in neutrophils, and chymases found in mast cells. This activity protects some tissues, such as the lower respiratory tract, from damage caused by proteolytic enzymes. AACT is produced in the liver, and is an acute phase protein that is induced during inflammation found at concentrations of 45 mg/100 ml. Clinically, it is elevated in inflammatory conditions, some malignancies, Crohn's disease, ulcerative colitis, and burn injuries. The PSA-ACT complex level is considered a biomarker for prostate cancer.

**GeneID:** 12

**Concentration:** 5.0 mg/mL

**Volume:** 0.1 mL

**Source:** Human Plasma

**Formulation:** Lyophilized from 20 mM Tris-HCl pH 7.4 + 150 mM NaCl

**Purity:** >95% by SDS-PAGE

**Storage & Stability:** Store at -70°C.

**Certification:** Shown to be non-reactive for HbsAG, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**

