Alpha 1 Antichymotrypsin, Human Plasma

CATALOG #: 7293-100  100 µg


SOURCE: Human Plasma. Shown to be non-reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.

PURITY: ≥ 95% by SDS-PAGE

MOL. WEIGHT: 64 kDa

EXTINCTION COEFFICIENT: 0.6

FORM: Lyophilized

FORMULATION: Lyophilized from 20 mM Tris-HCl, pH 7.4, with 150 mM NaCl.

STORAGE CONDITIONS: Store at -20°C or lower. Avoid repeated freezing and thawing cycles.

DESCRIPTION: Alpha 1 antichymotrypsin is an acute-phase plasma protein found at 45 mg per 100 ml. ACT functions as a specific inhibitor of chymotrypsin-like serine proteases. Although its physiological function is unclear, it can inhibit neutrophil cathepsin G and mast cell chymase, both of which can convert angiotensin-1 to the active angiotensin-2. 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. Defects in this gene may be a cause of chronic obstructive pulmonary disease.

RELATED PRODUCTS:
- Trypsin Activity Colorimetric Assay Kit (Cat. No. K771-100)
- Trypsin, Human pancreas (Cat. No. 7292-50)
- Alpha 1 Antitrypsin, Human Plasma (Cat. No. 7294-1000)
- Serpin E1/PAI-1, human recombinant, (Cat. No. 4731-10, -100, -1000)
- Human CellExp™ SERPINA1 /A1AT, human recombinant, (Cat. No. 7235-10)
- Serpin A6 Antibody (Cat. No. 3906-100)
- Serpin A6 Blocking Peptide (Cat. No. 3906BP-100)
- Neuroserpin, human recombinant, (Cat. No. 7181-10, -50)

FOR RESEARCH USE ONLY! Not to be used in humans.