

## 32-4809: Human Alpha-1 AntiChymotrypsin

**Alternative Name** : Alpha-1-antichymotrypsin,ACT,Cell growth-inhibiting gene 24/25 protein,SERPINA3,AACT,A1ACT,GIG24,GIG25,MGC88254.

### Description

Source : Human Serum. Human Alpha-1 AntiChymotrypsin produced from normal human serum having a molecular mass of 68kDa. Alpha 1 ACT is an early-stage acute-phase plasma protein and a serpin that preferentially inactivates chymotrypsin, cathepsin G, and chymase. Alpha-1- ACT, a serine protease inhibitor, is tightly associated with amyloid plaques in Alzheimer's disease (AD) and in normal aged human and monkey brain.Regulation of the serine proteases and serine protease inhibitors plays an important role in neuromuscular differentiation. Prostate specific antigen (PSA), a chymotrypsin-like serine protease, is predominantly complexed to Alpha-1-ACT.

### Product Info

**Amount :** 100 µg  
**Purification :** Greater than 99.0%.  
**Content :** Lyophilized from 0.02M NH<sub>4</sub>HCO<sub>3</sub>.  
**Storage condition :** Human SERPINA3 although stable at room temperature for 3 weeks, should be stored between 2-8°C.

### Application Note

It is recommended to reconstitute the lyophilized human A1ACT in phosphate buffer pH > 7.0 containing 0.15M NaCl.

