9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

# SERPINA3 Human

*Alpha-1 AntiChymotrypsin Human*
*RCP2037*

## Product Overview

| | |
|---|---|
| Name | SERPINA3 Human |
| **Description** | |
| Alpha-1 AntiChymotrypsin Human | |
| Accession (Primary) | P01011 |
| **Synonyms** | |
| Alpha-1-antichymotrypsin, ACT, Cell growth-inhibiting gene 24/25 protein, SERPINA3, AACT, A1ACT, GIG24, GIG25, MGC88254. | |
| **Introduction** | |
| 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. | |
| **Source** | |
| Human Serum. | |
| **Physical Appearance** | |
| Sterile Filtered White lyophilized (freeze-dried) powder. | |
| **Formulation** | |
| Lyophilized from 0.02M Tris-buffer,pH-7.5 and 0.15M Nacl. | |
| **Stability** | |
| Human SERPINA3 although stable at room temperature for 3 weeks, should be stored between 2-8°C. Do not freeze. | |
| **Purity** | |
| Greater than 90.0%. | |
| **Solubility** | |
| It is recommended to reconstitute the lyophilized human A1ACT in sterile 18MΩ-cm H 2 O at 1mg/ml, which can then be further diluted to other aqueous solutions. | |
| **Human Virus Test** | |
| Starting material tested and found negative for HIV I & II antibodies, Hepatitis B surface antigen, and Hepatitis C | |

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antibodies.

**Precautions**

SERPINA3 Human is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( P01011 )