
Product Data Sheet

Product Name: SERPINA3 Human

Cat. No.: GP24532

Batch No.: 1

Product Data

Purity	>98%	Source	Human Serum.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Alpha-1-antichymotrypsin; ACT; Cell growth-inhibiting gene 24/25 protein; SERPINA3; AACT; A1ACT; GIG24; GIG25; MGC88254.		
Solubility	It is recommended to reconstitute the lyophilized human A1ACT in phosphate buffer pH > 7.0 containing 0.15M NaCl.		
Formulation	Lyophilized from 0.02M NH ₄ HCO ₃ .		

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.

Stability

Human SERPINA3 although stable at room temperature for 3 weeks, should be stored between 2-8°C .

Background

Human Alpha-1 AntiChymotrypsin produced from normal human serum having a molecular mass of 68kDa.

Caution: Product has not been fully validated for medical applications. For research use only.

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