

SERPINA3 Human

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

Catalog #: PRPS-385

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

For research use only.

Source: Human Serum.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Purity: Greater than 99.0%.

Formulation:

Lyophilized from 0.02M NH₄HCO₃.

Stability:

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

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:

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

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.

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