

Recombinant Human Serpin A3 (C-6His)

Catalog No: C534

Description Recombinant Human Serine Protease Inhibitor-clade A3 is produced by our Mammalian expression

system and the target gene encoding His24-Ala423(Lys267Arg) is expressed with a 6His tag at the C-

terminus.

Source **Human Cells**

Alternative name Alpha-1-Antichymotrypsin; ACT; Cell Growth-Inhibiting Gene 24/25 Protein; Serpin A3; SERPINA3;

AACT

Accession No. P01011

Predicted Molecular 46.33kDa Weight

AP Molecular Weight

60-80kDa, reducing conditions.

Formulation Lyophilized from a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 2mM CaCl2, pH 7.5.

Reconstitution Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Quality Control Greater than 95% as determined by reducing SDS-PAGE. Purity:

Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

The product is shipped at ambient temperature. **Shipping**

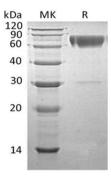
Upon receipt, store it immediately at the temperature listed below.

Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. **Storage**

> Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Background

Serpin A3 belongs to the Serpin superfamily of serine protease inhibitors. Serpin A3 has been shown to inhibit some serine proteases, such as neutrophil cathepsin G and mast cell chymase. Serpin A3 is synthesized initially in the liver and secreted in plasma. Serpin A3 has been found in the amyloid plaques from the hippocampus of Alzheimer disease brains. In addition to, Serpin A3 is associated with liver disease and Parkinson disease and chronic obstructive pulmonary disease.



SDS-Page

