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 Weight	46.33kDa
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	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. 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