

Product Name: Recombinant Human Serpin A3 (C-6His)
Catalog #: PHH1499

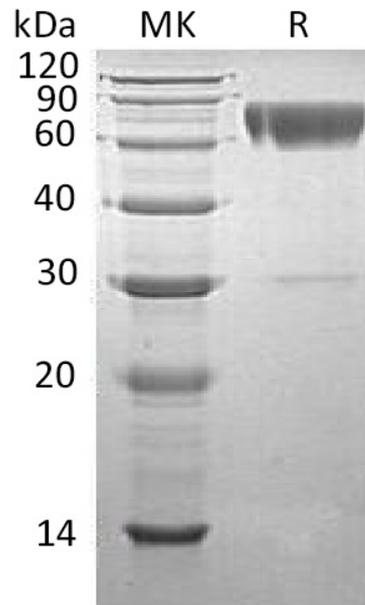


Summary

Name	Serpin A3/AACT
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	P01011
Host	Human Cells
Species	Human
Predicted Molecular Mass	46.33 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM HEPES, 150mM NaCl, pH 7.5.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
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.

SDS-PAGE image

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Alternative Names

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

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.

Note

For Research Use Only , Not for Diagnostic Use.