

# Cynomolgus Antithrombin III/ATIII (His Tag) recombinant protein



Catalog Number: 504641

## General Information

### Protein Construction

A DNA sequence encoding the Cynomolgus (*Macaca fascicularis*) SerpinC1 (Met 1-Ser 464) was fused with a polyhistidine tag at the C-terminus.

### Organism

Cynomolgus

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to inhibit thrombin cleavage of a fluorogenic peptide substrate Boc-VPR-AMC, R&D Systems, Catalog# ES011. The IC<sub>50</sub> value is <5 nM.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Ser 35

### Molecular Mass

The recombinant cynomolgus SerpinC1 consists of 441 amino acids and has a calculated molecular mass of 50.2 kDa. The apparent molecular mass of the recombinant protein is approximately 55-60 kDa in SDS-PAGE under reducing conditions due to glycosylation.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

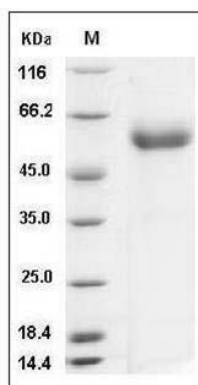
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Cynomolgus SerpinC1 / AntithrombinIII / ATIII Protein (His Tag) SDS-PAGE