

## General Information

### Gene Name Synonym

Alpha-1-microglobulin; Alpha-1 microglycoprotein; Complex-forming glycoprotein heterogeneous in charge; Inter-alpha-trypsin inhibitor light chain; Bikunin; EDC1; HI-30; Uronic-acid-rich protein; Trypstatin

### Protein Construction

A DNA sequence encoding the alpha-1-microglobulin of human AMBP (NP\_001624.1) (Met1-Val203) was expressed with a C-terminal polyhistidine tag.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### 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  $-70^{\circ}\text{C}$

### Predicted N terminal

Gly 20

### Molecular Mass

The recombinant alpha-1-microglobulin of human AMBP comprises 195 amino acids and has a predicted molecular mass of 22.3 kDa. The apparent molecular mass of the protein is approximately 32.8 kDa in SDS-PAGE under reducing conditions.

### 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

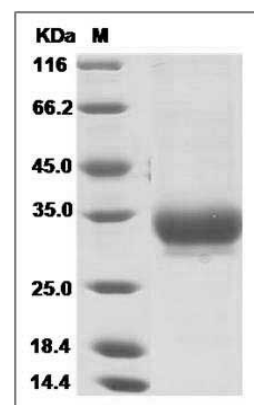
Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ .

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



Human AMBP / Alpha 1 microglobulin Protein (His Tag) SDS-PAGE