

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 μg 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

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

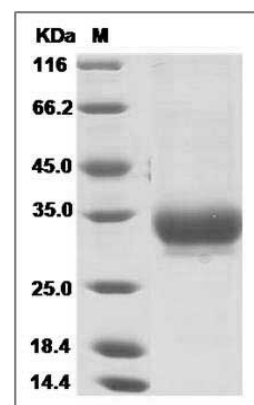
Store it under sterile conditions at -20°C to -80°C .

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



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