

# Human Azurocidin / CAP37 (His Tag) recombinant protein



Catalog Number: 502703

## General Information

### Gene Name Synonym

Cationic antimicrobial protein CAP37; Heparin-binding protein

### Protein Construction

A DNA sequence encoding the human AZU1 (NP\_001691.1) (Met 1-Pro 250) with a C-terminal polyhistidine tag was expressed.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> 97 % 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

Ile 17

### Molecular Mass

The secreted recombinant human AZU1 comprises 235 amino acids with a predicted molecular mass of 25.6 kDa. As a result of glycosylation, rh AZU1 migrates as an approximately 37 kDa band 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

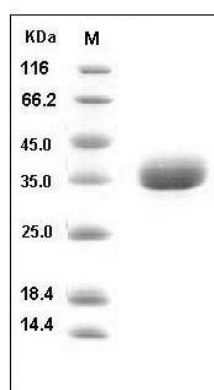
### Storage

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 AZU1 / Azurocidin 1 / CAP37 Protein (His Tag) SDS-PAGE