

# Mouse Serum amyloid P component (His Tag) recombinant protein



Catalog Number: 502572

## General Information

### Protein Construction

A DNA sequence encoding the mouse APCS (NP\_035448.2) (Met 1-Glu 224) precursor was expressed with a C-terminal polyhistidine tag.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its binding ability in a functional ELISA. Immobilized mouse APCS at 10 µg/ml (100 µl/well) can bind biotinylated human Fibronectin Fragment 2 with a linear rangel of 0.625-5 µg/ml.
2. Measured by its ability to bind mouse CD64-AVI in a functional ELISA.

### Purity

> 90 % 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

Gln 21

### Molecular Mass

The secreted recombinant mouse APCS consists of 215 amino acids and has a calculated molecular mass of 25.3 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 28 kDa protein 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

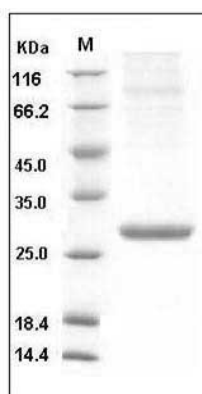
### Storage

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



Mouse Serum amyloid P component / APCS / SAP Protein (His Tag) SDS-PAGE