

## General Information

### Gene Name Synonym

C-reactive protein(1-205)

### Protein Construction

A DNA sequence encoding the human CRP (NP\_000558.2) (Met 1-Pro 224) was fused with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to bind human CD32a-His (Cat:503128) in functional ELISA.

### Purity

> 92 % 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

Gln 19

### Molecular Mass

The secreted recombinant human CRP consists of 217 amino acids and has a predicted molecular mass of 24.7 kDa. The apparent molecular mass of rhCRP is approximately 27 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

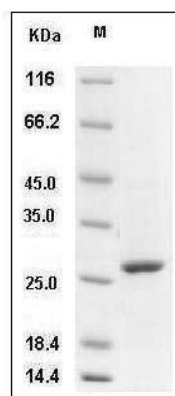
Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ .

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 CRP / C-Reactive Protein (His Tag) SDS-PAGE