

# Recombinant mouse C-Reactive Protein/CRP protein

Catalog Number: ATGP3284

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

20-225aa

### UniProt No.

P14847

### NCBI Accession No.

NP\_031794

### Alternative Names

C-reactive protein, pentraxin-related, Crp

## PRODUCT SPECIFICATION

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### Molecular Weight

24.1 kDa (214aa)

### Concentration

0.5mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 0.1M PMSF, 40% glycerol

### Purity

> 95% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

CRP, also known as c-reactive protein, is a member of the pentraxin family of proteins. It promotes agglutination, bacterial capsular swelling, phagocytosis and complement fixation through its calcium-dependent binding to phosphorylcholine. Recombinant mouse CRP, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

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### Amino acid Sequence

HEDMFKKAFV FPKESDTSYV SLEAESKKPL NTFTVCLHFY TALSTVRSFS VFSYATKKNS NDILIFWNKD KQYTFGVGGA  
EVRFMVSEIP EAPTHICASW ESATGIVEFW IDGKPKVRKS LHKGYTVGPD ASIILGQEQD SYGGDFDAKQ SLVGDIGDVM  
MWDFVLSPEQ ISTVYVGGTL SPNVLNWRAL NYKAQGDVFI KPQLWSLEHH HHHH

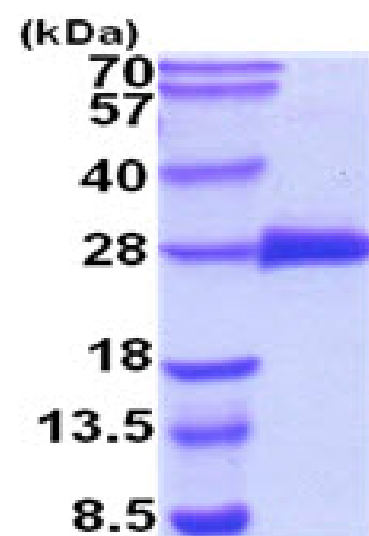
### General References

Pepys MB., et al. (2003) J Clin Invest. 111:1805-1812.

Thompson D., et al. (1999) Structure. 7:169-177.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)