

Recombinant mouse C-Reactive Protein/CRP protein

Catalog Number: ATGP3284

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

20-225aa

UniProt No.

P14847

NCBI Accession No.

NP_031794

Alternative Names

C-reactive protein, pentraxin-related, Crp

PRODUCT SPECIFICATION

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

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 SLVGDIGDVN
MWDFVLSPEQ ISTVYVGGL SPNVLNWRAL NYKAQGDVFI KPQLWSLEHH HHHH

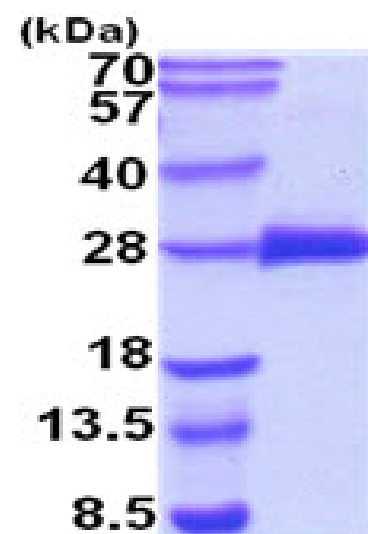
General References

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)