

Recombinant rat C-Reactive Protein/CRP protein

Catalog Number: ATGP3203

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

20-230aa

UniProt No.

P48199

NCBI Accession No.

NP_058792

Alternative Names

Crp, Aa1249, Ab1-341, Ab2-196, Ac1-114, Ac1262, Ac2-069, Ba2-693

PRODUCT SPECIFICATION

Molecular Weight

24.1 kDa (217aa)

Concentration

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

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% 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, displays several functions associated with host defense. It promotes agglutination, bacterial capsular swelling, phagocytosis and complement fixation through its calcium-dependent binding to phosphorylcholine and can interact with DNA and histones and may scavenge nuclear material released from damaged circulating cells. Recombinant rat CRP, fused to His-tag at C-terminus, was expressed in

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insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

HEDMSKQAFV FPGVSATAYV SLEAESKKPL EAFTVCLYAH ADVSRFSIF SYATKTSFNE ILLFWTRGQG FSIAVGGPEI
LFSASEIPEV PTHICATWES ATGIVELWLD GKPRVRKSLQ KGYIVGTNAS IILGQEQDSY GGGFDANQSL VGDIGDVNMW
DFVLSPEQIN AVYVGRVFSP NVLNRALKY ETHGDVFIKP QLWPLTDCCE SHHHHHH

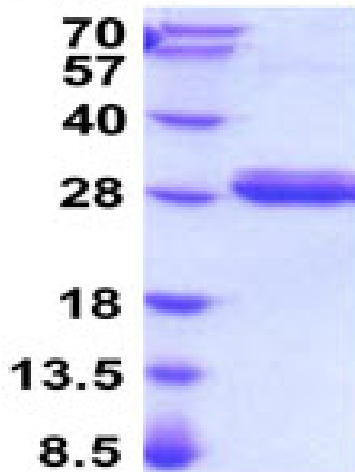
General References

Rassouli M., et al. (1992) J. Biol. Chem. 267:2947-2954.
Diaz Padilla N., et al. (2003) Immunology. 109:564-571.

DATA

SDS-PAGE

(kDa)



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

15% SDS-PAGE (3ug)