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

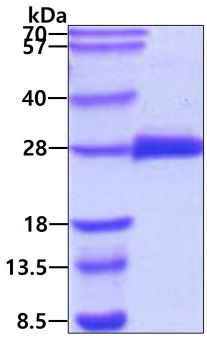
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General References

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.