

AR51958PU-N

Rat C-reactive protein (CRP) (20-230, His-tag) - Purified

Alternate names:

C Reactive Protein, PTX1, Pentraxin-related

Quantity:

0.25 mg

Concentration:

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

Background:

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 D 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 insect cell and purified by using conventional chromatography techniques.

Uniprot ID:

[P48199](#)

NCBI:

[NP_058792](#)

GeneID:

[25419](#)

Species:

Rat

Source:

Insect cells

Format:

State: Liquid purified protein

Purity: >95% by SDS - PAGE

Buffer System: Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Endotoxin Level: < 1.0 EU per 1 microgram of protein (determined by LAL method)

Description:

AA Sequence:

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

Molecular weight: 24.1 kDa (217aa)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

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

Pictures:

