

C-reactive protein, 20-230aa, Rat, His tag, Insect cell

Cat.NO.: TP01380

3th Edition

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

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 insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 24.1kDa (217aa) 28-40kDa (SDS-PAGE under reducing conditions.)

Sequences:

HEDMSKQAFVFPVGSATAYVSLEAESKKPLEAFTVCLYAHADVSRFSIFS yatKTSFNEILLFWTRGQGFSIAVGG
PEILFSASEIPEVPTHICATWESATGIVELWLDGKPRVRKSLQKGYIVGTNASIILGQEQDSYGGGFDANQSLVGDIG
DVNMWDFVLSPEQINAVYVGRVFSNVNLNRALKYETHGDVFIKPQLWPLTDCCESH HHHHHH

Purity: > 95% by HPLC

Concentration: 0.5mg/ml (determined by Absorbance at 280nm)

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

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.