

# Product information

## C-reactive protein, 20-230aa

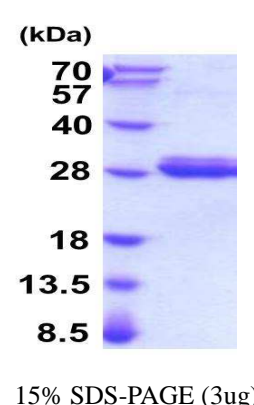
Rat, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3203

NCBI Accession No.: NP\_058792

**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.

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| <p><b>Form:</b> Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.</p> <p><b>Molecular Weight:</b> 24.1kDa (217aa)<br/>28-40kDa (SDS-PAGE under reducing conditions.)</p> <p><b>Predicted N terminal:</b> His20</p> <p><b>Purity:</b> &gt; 95% by SDS – PAGE.</p> <p><b>Concentration:</b> 0.5mg/ml (determined by Absorbance at 280nm)</p> <p><b>Endotoxin Level:</b> &lt; 1.0 EU per 1µg of protein (determined by LAL method)</p> |  <p>(kDa)</p> <p>70<br/>57<br/>40<br/>28<br/>18<br/>13.5<br/>8.5</p> <p>15% SDS-PAGE (3µg)</p> |
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**Sequences of amino acids:**

HEDMSKQAFV FPGVSATAYV SLEAESKKPL EAFTVCLYAH ADVSRFSIF SYATKTSFNE ILLFWTRGQG FSI AVGGPEI LFSASEIPEV  
 PTHICATWES ATGIVELWLD GKPRVRKSLQ KGYIVGTNAS IILGQEQDSY GGGFDANQSL VGDIGDVMNW DFVLSPEQIN AVYVGRVFP  
 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.

**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.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



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