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**Product Data Sheet**

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Product Name: CRP Human Recombinant  
Cat. No.: GP23232  
Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	C-reactive protein; CRP; PTX1; MGC88244; MGC149895.		
Formulation	The sterile protein solution contains 20mM Tris (pH 7.5), 2mM CaCl <sub>2</sub> , 0.14M NaCl and 0.05% NaN <sub>3</sub> .		

**Introduction**

CRP is an acute phase protein that correlates with inflammatory disease and is synthesized by hepatocytes during the acute phase response by certain cytokines (IL-1 and TNF Alpha and Beta). CRP levels increase dramatically (up to 1,000 fold) and serve as a useful marker of inflammation in such conditions as bacterial infection, rheumatoid arthritis, viral infections, transplantation rejection, meningitis, myocardial infarction, septicemia, osteomyelitis and others. CRP is also highly correlated to Serum Amyloid A levels.

**Stability**

CRP should be stored at all times at 4°C .

**Background**

Recombinant Human CRP produced in E.Coli is a non-glycosylated polypeptide chain having a total molecular mass of 115 kDa that corresponds to the pentamer structure of 23 kDa monomer determined by amino acid sequence. The CRP is purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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