



Product Datasheet

Product Name	c-Reactive Protein Human Recombinant
Cata No	CB500956
Source	<i>Escherichia Coli.</i>
Synonyms	C-reactive protein, CRP, PTX1, MGC88244, MGC149895.

Description

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. 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.

Physical Appearance

Sterile Filtered clear solution.

Purity

Greater than 95.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

Formulation

The sterile protein solution contains 20mM Tris (pH 7.5), 2mM CaCl₂, 0.14M NaCl and 0.05% NaN₃.

Stability

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

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