

Recombinant Human C-Reactive Protein (rh CRP)

Synonyms: PTX1

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.

Description: 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.

Source: *Escherichia Coli*.

Physical Appearance: Sterile filtered clear solution.

Formulation: The sterile protein solution (1 mg/ml) 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.

Purity: Greater than 95.0% as determined by:

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

This material is offered for **research use only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

small	250 µg/250µl	Cat.N°	11344937
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