

CRP recombinant protein

CRP Protein (Active)

CATALOG # AAA59078	HOST E Coli	APPLICATIONS ELISA
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PRODUCT SYNONYMS

CRP; CRP Protein (Active); C-reactive protein; PTX1; C-Reactive Protein; CRP recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% by SDS-PAGE
Form/Format	Liquid
Concentration	1.7 mg/ml (varies by lot)
Applicable Applications for CRP recombinant protein	ELISA
Storage Buffer	Each vial contains 20 mM tris-HCl (pH7.5), 2 mM CaCl ₂ , 140 mM NaCl and 0.1% sodium azide.
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Preparation and Storage	Ship at 4 degree C. Upon receipt, aliquot and store at -20 degree C or -80 degree C for long term. Avoid repeated freeze and thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for CRP recombinant protein	Recombinant full length human CRP protein. C-reactive protein (CRP) is a protein found in the blood, the levels of which rise in response to inflammation (i.e. C-reactive protein is an acute-phase protein). Its physiological role is to bind to phosphocholine expressed on the surface of dead or dying cells (and some types of bacteria) in order to activate the complement system via the C1Q complex. CRP is a member of the class of acute-phase reactants, as its levels rise dramatically during inflammatory processes occurring in the body. This increment is due to a rise in the plasma concentration of IL-6, which is produced predominantly by macrophages as well as adipocytes.
References	1. Thompson D, Pepys MB, Wood SP (February 1999). "The physiological structure of human C-reactive protein and its complex with phosphocholine". <i>Structure</i> 7 (2): 169-77. 2. Pepys MB, Hirschfield GM (June 2003). "C-reactive protein: a critical update". <i>J. Clin. Invest.</i> 111 (12): 1805-12. 3. Lau DC, Dhillon B, Yan H, Szmitko PE, Verma S (May 2005). "Adipokines: molecular links between obesity and atherosclerosis". <i>Am. J. Physiol. Heart Circ. Physiol.</i> 288 (5): H2031-41.

NCBI AND UNIPROT INFORMATION

NCBI GI #	224369504
NCBI Accession #	YP_002603668.1
NCBI GenBank Nucleotide #	NC_012108.1
NCBI Official Full Name	Crp

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

