

## Product datasheet

# Recombinant Human C Reactive Protein ab51784

1 Abreviews 2 Images

### Description

<b>Product name</b>	Recombinant Human C Reactive Protein
<b>Purity</b>	> 95 % SDS-PAGE. >95% by SDS-PAGE, HPLC analysis and anion exchange FPLC. Recombinant Human CRP is purified by proprietary chromatographic techniques.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<a href="#">P02741</a>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	AA Sequence: MEKLLCFLVL TSLSHAFGQT DMSRKAFVFP KESDTSYVSL KAPLTKPLKA FTVCLHFYTE LSSTRGYSIF SYATKRQDNE ILIFWSKDIG YSFTVGGSEILFEVPEVTV PVHICTSWES ASGVEFWVD GKPRVRKSLK KGYTVGAEAS IILGQEQDSF GGNFEGSQSL VGDIGNVNMW DFVLSPDEIN TYLGPFSP NVLNWRALKY EVQGEVFTKP QLWP
<b>Predicted molecular weight</b>	115 kDa
<b>Amino acids</b>	1 to 224

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab51784** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE Western blot
<b>Form</b>	Liquid
<b>Additional notes</b>	This product is manufactured by BioVision, an Abcam company and was previously called 4863 CRP, human recombinant. 4863-10 is the same size as the 10 µg size of ab51784. Endotoxin level is <0.1 ng/µg.

## Preparation and Storage

### Stability and Storage

Shipped at 4°C. Store at -20°C. Avoid freeze / thaw cycle. For long term storage it is recommended to add a carrier protein on reconstitution (0.1% HSA or BSA). Reconstitute for long term storage.

pH: 7.5

Preservative: 0.05% Sodium azide

Constituents: 0.81% Sodium chloride, 0.24% Tris, 0.02% Calcium chloride

## General Info

### Function

Displays several functions associated with host defense: it promotes agglutination, bacterial capsular swelling, phagocytosis and complement fixation through its calcium-dependent binding to phosphorylcholine. Can interact with DNA and histones and may scavenge nuclear material released from damaged circulating cells.

### Tissue specificity

Found in plasma.

### Sequence similarities

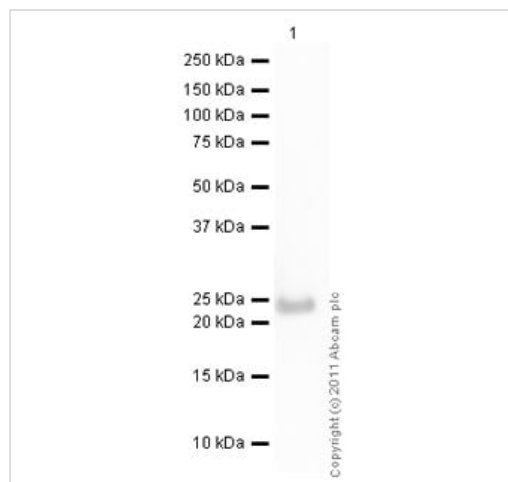
Belongs to the pentaxin family.

Contains 1 pentaxin domain.

### Cellular localization

Secreted.

## Images



Western blot - Recombinant Human C Reactive Protein (ab51784)

Anti-C Reactive Protein antibody ([ab78051](#)) at 1 µg/ml +

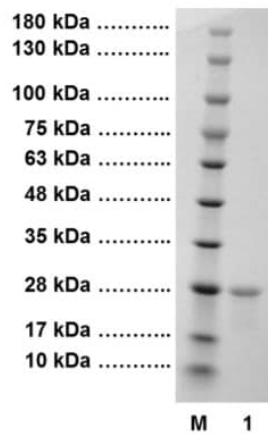
Recombinant Human C Reactive Protein (ab51784) at 0.01 µg

### Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at 1/5000 dilution

Performed under reducing conditions.

**Exposure time:** 1 minute



4-20% SDS-PAGE of Human CRP: 5 ug of Recombinant human CRP (C-reactive protein) loaded in each lane under reducing conditions and stained with Coomassie Blue. Recombinant human CRP has a predicted MW of ~ 115 kDa corresponding to the pentameric structure of 23 kDa monomers.

SDS-PAGE - Recombinant Human C Reactive Protein (ab51784)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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