

## Active Human CRP Reference Standard

**Cat. No.** CRP-8H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Description</b>	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.
<b>Form</b>	Liquid
<b>Bio-activity</b>	The level of CRP in the serum was quantified using ELISA.
<b>Usage</b>	For research use only, not for diagnostic or therapeutic use.
<b>Quality Control Test</b>	Generated from a human serum pool. This lot has been tested by standard laboratory procedures and found to be negative for HIV 1, HIV 2, Hepatitis B and Hepatitis C.
<b>Storage</b>	Stored at -20 °C, 4 °C for less than seven days, frozen for greater than seven days.
<b>Concentration</b>	1.23 ug/ml
<b>Preservative</b>	0.1% sodium azide

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## GENE INFORMATION

<b>Gene Name</b>	CRP C-reactive protein, pentraxin-related [ Homo sapiens ]
<b>Official Symbol</b>	CRP
<b>Synonyms</b>	CRP; C-reactive protein, pentraxin-related; C-reactive protein; pentraxin 1; PTX1; MGC88244; MGC149895;
<b>Gene ID</b>	1401
<b>mRNA Refseq</b>	NM_000567
<b>Protein Refseq</b>	NP_000558
<b>MIM</b>	123260
<b>UniProt ID</b>	P02741
<b>Chromosome Location</b>	1q21-q23
<b>Pathway</b>	Classical antibody-mediated complement activation, organism-specific biosystem; Complement cascade, organism-specific biosystem; Creation of C4 and C2 activators, organism-specific biosystem; IL6-mediated signaling events, organism-specific biosystem; Immune System, organism-specific biosystem; Initial triggering of complement, organism-specific biosystem; Innate Immune System, organism-specific biosystem;
<b>Function</b>	Gram-positive bacterial cell surface binding; binding; cholesterol binding; choline binding; low-density lipoprotein particle binding; metal ion binding; protein binding;

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protein homodimerization activity;

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