

Recombinant Human C-reactive Protein, Pentraxin-related

Cat. No. CRP-111H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human C-reactive protein produced in <i>E. Coli</i> is a non-glycosylated polypeptide chain and has a total molecular mass of 115 kDa. The rHuCRP is purified by proprietary chromatographic techniques.
Species	Human
Source	E.coli
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.
Physical Appearance	Sterile Filtered clear solution.
Formulation	The sterile protein solution) contains 20 mM Tris (ph 7.5), 2mM CaCl ₂ , 0.14M NaCl and 0.05% NaN ₃ .
Purity	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by reducing and non-reducing SDS-PAGE Silver Stained.
Stability	The rHuCRP should be stored at all times at 4°C.

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GENE INFORMATION

Gene Name	CRP C-reactive protein, pentraxin-related [Homo sapiens]
Synonyms	CRP; C-reactive protein, pentraxin-related; PTX1; MGC88244; MGC149895; C-reactive protein; C-reactive protein(1-205); C-reactive protein, pentraxin-related; OTTHUMP00000 033307
Gene ID	1401
mRNA Refseq	NM_000567
Protein Refseq	NP_000558
UniProt ID	P02741
Chromosome Location	1q21-q23
MIM	123260
Function	Gram-positive bacterial cell surface binding; calcium ion binding; choline binding; low-density lipoprotein binding; protein binding

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