

Native Human C-Reactive Protein

Cat. No. CRP-8056H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human C-Reactive Protein was purified from Human Pleural Fluid.
Species	Human
Source	Human Pleural Fluid
Description	C-Reactive Protein (CRP) is a pentameric serum protein belonging to the pentraxin family that is comprised of five identical about 23 kDa subunits. CRP is a positive acute phase reactant, the levels of which increase modestly in humans in response to inflammation, tissue injury or disease. The acute phase response develops in a wide range of acute and chronic inflammatory conditions like bacterial, viral, or fungal infections; rheumatic and other inflammatory diseases; malignancy; and tissue injury or necrosis.
Form	Liquid solution in 0.05M Tris buffer containing 0.25M NaCl
Molecular Mass	115 kDa
Purity	>98% by SDS-PAGE
Stability	2 years
Storage	2-8 °C
Concentration	Typically >1.0 mg/mL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	CRP C-reactive protein, pentraxin-related [Homo sapiens]
Official Symbol	CRP
Synonyms	CRP; C-reactive protein, pentraxin-related; C-reactive protein; pentraxin 1; PTX1; MGC88244; MGC149895;
Gene ID	1401
mRNA Refseq	NM_000567
Protein Refseq	NP_000558
MIM	123260
UniProt ID	P02741
Chromosome Location	1q21-q23
Pathway	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;
Function	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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