

CRP

Native Human C-Reactive Protein

Catalog No.	CRC009A CRC009B CRC009C	Quantity:	1 mg 5 mg 10 mg
Alternate Names:	CRP, PTX1		
Description:	C-Reactive Protein (CRP) is a homopentameric serum protein belonging to the pentaxin family comprised of five identical non-covalently bound ~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. CRP is involved in several host defense related functions based on its ability to recognize foreign pathogens and damaged cells of the host and to initiate their elimination by interacting with humoral and cellular effector systems in the blood. CRP interacts with, and may regulate monocyte activation by ficolin 1 (FCN1).		
Gene ID:	1401		
UniProtKB:	P02741		
Concentration:	2.0 mg/mL ($E_{280\text{nm}}^{1\text{mg/mL}} = 1.8$)		
Source:	Human Pleural Fluid		
Molecular Weight:	Pentameric, 5 identical subunits, each 23 kDa		
Formulation:	Liquid in a sterile-filtered solution containing 50 mM tris chloride, 200 mM sodium chloride, 5 mM calcium chloride, pH 8.0 and 0.09% sodium azide.		
Purity:	≥99% by SDS PAGE		
Storage & Stability:	Store at 2-8 °C. DO NOT FREEZE.		
Non-Infectious Disease Statement:	Non-reactive for HIV-1/HCV/HBV by NAT, HbsAg, HCV Ab, HIV 1 and 2 Ab, and RPR by currently approved FDA methods. However, because no test method can offer complete assurance that infectious agents are absent, this material should be handled at the Bio-safety Level 2 (BSL 2) as recommended for any potentially infectious human serum of blood specimen in the CDC/NIH manual "Bio-safety in microbiological and Biomedical Laboratories", 2009.		

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