

Native Human C-reactive Protein

Cat. No. CRP-4303H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human CRP produced in Human plasma having a molecular mass of 114 kDa. It can be used as a marker for inflammation and also used for monitoring and prediction of future events in coronary artery disease.
Species	Human
Source	Human Plasma
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.
Form	The protein solution is in 20mM TRIS buffer pH 8.0 containing 0.28M NaCl, 0.09% NaN ₃ and 5mM CaCl ₂ .
Molecular Mass	114 kDa
Purity	Greater than 96.0%.
Usage	For LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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Storage Human CRP should be stored at 2-8°C. Do not freeze!

GENE INFORMATION

Gene Name CRP C-reactive protein, pentraxin-related [Homo sapiens]

Official Symbol CRP

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

MIM 123260

UniProt ID P02741

Chromosome Location 1q21-q23

Function Gram-positive bacterial cell surface binding; calcium ion binding; choline binding; ow-density lipoprotein binding; protein binding

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