

Recombinant Human CRP

Cat. No. CRP-26069TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length mature Human C Reactive Protein ; 207 amino acids with the tag; predicted MWt: 23.2 kDa.
Species	Human
Source	E.coli
ProteinLength	226 amino acids
Description	The protein encoded by this gene belongs to the pentaxin family. It 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. Consequently, the level of this protein in plasma increases greatly during acute phase response to tissue injury, infection, or other inflammatory stimuli.
Molecular Weight	23.200kDa inclusive of tags
Tissue specificity	Found in plasma.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	pH: 8.00 Constituents: 20% Glycerol, 12.01% Urea Note: Contains 67% Tris-HCl buffer.

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Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MQTDMSRKAFVFPKESDTSYVSLKAPLTKPLKAFTVCLHFYTELSSTRGYSIFS YATK RQDNEILIFWSKDIGYSFTVGGSEILFEVPEVTVAPVHICTSWESASGIVEFWVDGKP RVRKSLKKG YTVGAEASIILGQEQDSFGGNFEGSQSLVGDIGNVNMWDFVLS PDEIN TIYLGPPFSPNVLNWRALKYEVQGEVFTKPQLWP
Sequence Similarities	Belongs to the pentaxin family. Contains 1 pentaxin domain.

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;
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;

Function

Gram-positive bacterial cell surface binding; binding; cholesterol binding; choline binding; low-density lipoprotein particle binding;

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