

Native Rat C-Reactive Protein, Petaxin Related

Cat. No. Crp-5382R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Rat Crp was expressed in rat serum.
Species	Rat
Source	Rat Serum
Description	Crp is a pentameric serum protein belonging to the pentraxin family that is comprised of five identical ~23 kDa subunits. It is a positive acute phase reactant, the levels of which increase modestly in rats (1.5-2 fold) in response to inflammation, tissue injury or disease. Crp is purified using multiple affinity chromatography steps. C-reactive protein/Crp is associated with polymorphisms of the angiotensin-converting enzyme gene in major depressed patients.
Form	Liquid.
Endotoxin	< 0.1 ng/μg >
Purity	≥96% by SDS-PAGE
Storage	Stored at 2-4°C. Stable for 2 years.
Concentration	>0.5 mg/mg

GENE INFORMATION

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Gene Name	Crp C-reactive protein, pentraxin-related [<i>Rattus norvegicus</i>]
Official Symbol	Crp
Synonyms	CRP; C-reactive protein, pentraxin-related; C-reactive protein; C-reactive protein, petaxin related; C-reactive protein member of the pentraxin family; C-reactive protein, member of the pentraxin family; Aa1249; Ac1262; Ab1-341; Ab2-196; Ac1-114; Ac2-069;
Gene ID	25419
mRNA Refseq	NM_017096
Protein Refseq	NP_058792
Pathway	Classical antibody-mediated complement activation, organism-specific biosystem; Complement cascade, organism-specific biosystem; Creation of C4 and C2 activators, organism-specific biosystem; Immune System, organism-specific biosystem; Initial triggering of complement, organism-specific biosystem; Innate Immune System, organism-specific biosystem;
Function	cholesterol binding; low-density lipoprotein particle binding; low-density lipoprotein particle binding; metal ion binding; protein binding; protein homodimerization activity;

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