



## CRP peptide (DAG-P0252)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	The protein encoded by this gene belongs to the pentraxin 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. [provided by RefSeq, Sep 2009]
<b>Specificity</b>	Found in plasma.
<b>Purity</b>	70 - 90% by HPLC.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Belongs to the pentraxin family. Contains 1 pentraxin domain.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">CRP C-reactive protein, pentraxin-related [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	CRP
<b>Synonyms</b>	CRP; C-reactive protein, pentraxin-related; PTX1; C-reactive protein; pentraxin 1;
<b>Entrez Gene ID</b>	<a href="#">1401</a>

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<b>mRNA Refseq</b>	<a href="#">NM_000567.2</a>
<b>Protein Refseq</b>	<a href="#">NP_000558.2</a>
<b>UniProt ID</b>	P02741
<b>Chromosome Location</b>	1q23.2
<b>Pathway</b>	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; Selenium Pathway, organism-specific biosystem;
<b>Function</b>	cholesterol binding; choline binding; low-density lipoprotein particle binding; metal ion binding; protein binding; protein homodimerization activity;

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