

Recombinant Dog C reactive Protein, His tagged

Cat. No. CRP-008D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Dog C-reactive Protein (CRP; GenBank CDF47287.1) with a 6×His tag was expressed in CHO cells and purified by nickel affinity chromatography. Because two out of the five cCRP subunits are glycosylated, the protein is detected as a doublet at estimated molecular weights of ~30-35 kDa under reducing SDS-PAGE conditions.
Species	Dog
Source	CHO
Description	Displays several functions associated with host defense: it promotes agglutination, bacterial capsular swelling, phagocytosis and complement fixation through its calcium-dependent binding to phosphorylcholine. Can interact with DNA and histones and may scavenge nuclear material released from damaged circulating cells.
Tag	6×His
Form	Liquid
Purity	>90%
Applications	ELISA, WB
Preservative	None

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store at -20 centigrade. The thawed product is stable at 2-8 centigrade for one week. Following the initial thaw, please prepare multiple aliquots and store at -20 centigrade. It is not recommended to store the product in a frost-free freezer. Multiple freeze-thaw cycles are not recommended.
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Expiration	12 months from shipping date.
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Storage Buffer	TBS + 0.2M arginine
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GENE INFORMATION

Gene Name	CRP C-reactive protein [Canis lupus familiaris (dog)]
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Official Symbol	CRP
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Synonyms	CRP; C-reactive protein
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Gene ID	488629
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mRNA Refseq	NM_001314116
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Protein Refseq	NP_001301045
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UniProt ID	T2KEN6
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