

Product Information

C Reactive Protein from human fluids

Product Number **C4063**
Storage Temperature 2–8 °C

CAS Number: 9007-41-4
Synonym: CRP

Product Description

This product has a molecular mass of ~118 kDa and is composed of 5 non-covalently linked subunits.¹

CRP is found in elevated levels in a wide variety of acute inflammatory conditions.¹ Activities of CRP include activation of the complement pathway, enhancement of phagocytosis, and inhibition of platelet aggregation

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

Preparation Instructions

This product is supplied as a solution in 20 mM Tris, pH 7.8–8.2, containing 280 mM sodium chloride, 5 mM calcium chloride, and 0.1% sodium azide as a preservative. It can be further diluted using 20 mM Tris, pH 8.0, with 280 mM sodium chloride.

Storage/Stability

Solutions of CRP should be stored at 2–8 °C. Solutions should not be frozen, because this tends to increase aggregation. When the refrigerated material aggregates, it appears as a hazy solution that may have small clumps of protein on the bottom of the vial. These aggregates can be centrifuged out and typically represent a small percentage of the total CRP.

Reference

1. Volanakis, J.E. et al., C-Reactive protein: purification by affinity chromatography and physicochemical characterization. *J. Immunol. Methods*, **23**, 285-295 (1978).

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