

C-Reactive Protein, Cynomolgus (HEK293, His)

Cat. No.:	HY-P700979
Synonyms:	C-reactive protein; CRP; PTX1; MGC88244; pentraxin 1; PTX1MGC149895
Species:	Cynomolgus
Source:	HEK293
Accession:	XP_045255377.1 (Q19-S224)
Gene ID:	102126170
Molecular Weight:	25-30 kDa

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22µm filtered solution of 20mM Tris, 150mM NaCl, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	C-Reactive Protein (CRP) plays a multifaceted role in host defense, demonstrating several functions essential for immune responses. CRP promotes agglutination, bacterial capsular swelling, phagocytosis, and complement fixation by binding to phosphorylcholine in a calcium-dependent manner. Additionally, CRP exhibits the ability to interact with DNA and histones, suggesting a potential role in scavenging nuclear material released from damaged circulating cells. These diverse functions underscore CRP's involvement in various aspects of the immune system, contributing to both innate and adaptive immune responses, and highlight its significance as a key player in host defense mechanisms.
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA