

C-Reactive Protein, Human (Biotinylated, HEK293)

Cat. No.:	HY-P77514
Synonyms:	C-Reactive Protein; CRP; PTX1
Species:	Human
Source:	HEK293
Accession:	P02741 (M1-P224)
Gene ID:	1401
Molecular Weight:	Approximately 23 kDa.

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	C-Reactive Protein (CRP) exhibits various functions related to host defense. It facilitates agglutination, bacterial capsular swelling, phagocytosis, and complement fixation by binding to phosphorylcholine in a calcium-dependent manner. CRP is also capable of interacting with DNA and histones, and it may scavenge nuclear material that is released from damaged circulating cells.
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Caution: Product has not been fully validated for medical applications. For research use only.

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