

C-Reactive Protein, Human (His)

Cat. No.:	HY-P7874
Synonyms:	rHuC-reactive protein/CRP, His; C-Reactive Protein; CRP; PTX1
Species:	Human
Source:	E. coli
Accession:	P02741 (Q19-P224)
Gene ID:	1401
Molecular Weight:	Approximately 27.0 kDa

PROPERTIES

AA Sequence	<p> Q T D M S R K A F V F P K E S D T S Y V S L K A P L T K P L K A F T V C L H F Y T E L S S T R G Y S I F S Y A T K R Q D N E I L I F W S K D I G Y S F T V G G S E I L F E V P E V T V A P V H I C T S W E S A S G I V E F W V D G K P R V R K S L K K G Y T V G A E A S I I L G Q E Q D S F G G N F E G S Q S L V G D I G N V N M W D F V L S P D E I N T I Y L G G P F S P N V L N W R A L K Y E V Q G E V F T K P Q L W P </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 2 M Urea, pH 8.0.
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. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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.

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