

C-Reactive Protein, Mouse (206a.a, HEK293, His)

Cat. No.:	HY-P77908
Synonyms:	C-reactive protein; CRP; PTX1; MGC88244; pentraxin 1; PTX1MGC149895
Species:	Mouse
Source:	HEK293
Accession:	P14847 (H20-S225)
Gene ID:	12944
Molecular Weight:	26-28 kDa

PROPERTIES

AA Sequence	<p> H E D M F K K A F V F P K E S D T S Y V S L E A E S K K P L N T F T V C L H F Y T A L S T V R S F S V F S Y A T K K N S N D I L I F W N K D K Q Y T F G V G G A E V R F M V S E I P E A P T H I C A S W E S A T G I V E F W I D G K P K V R K S L H K G Y T V G P D A S I I L G Q E Q D S Y G G D F D A K Q S L V G D I G D V N M W D F V L S P E Q I S T V Y V G G T L S P N V L N W R A L N Y K A Q G D V F I K P Q L W S </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant 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	<p>C-Reactive Protein (CRP) serves multiple functions crucial for host defense. It facilitates agglutination, bacterial capsular swelling, phagocytosis, and complement fixation by engaging in calcium-dependent interactions with phosphorylcholine. 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 the versatile and integral role of CRP in the immune response and host defense mechanisms.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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