

C-Reactive Protein, Mouse (225a.a, HEK293, His)

Cat. No.:	HY-P74220
Synonyms:	C-Reactive Protein; CRP; PTX1
Species:	Mouse
Source:	HEK293
Accession:	NP_031794.3 (H20-S225)
Gene ID:	12944
Molecular Weight:	25-30 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.
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	<p>The C-reactive protein (CRP), predicted to possess several functions such as cholesterol binding activity, complement component C1q complex binding activity, and low-density lipoprotein particle binding activity, is anticipated to play a role in diverse processes, including complement activation via the classical pathway, regulation of gene expression, and the regulation of superoxide anion generation. It is predicted to act upstream of vasoconstriction and is expected to be located in filopodia and growth cones, with activity in the extracellular space. This protein is expressed in embryos and the liver. The human ortholog of CRP is implicated in various diseases, including Kawasaki disease, autoimmune diseases, macular</p>
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degeneration, middle cerebral artery infarction, and nephritis. Notably, CRP exhibits biased expression in tissues such as the liver during embryonic and adult stages.

Caution: Product has not been fully validated for medical applications. For research use only.

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