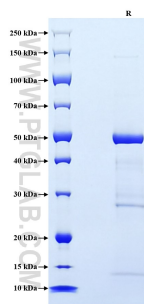


Recombinant Mouse C-Reactive Protein/CRP protein (hFc Tag)

Catalog Number: Eg0557

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: hFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/ µg protein, LAL method Source: HEK293-derived Mouse CRP protein His20-Ser225 (Accession# NP_031794.3) with a human IgG1 Fc tag at the C-terminus. GeneID: 12944 Accession: NP_031794.3 Predicted Molecular Mass: 49.1 kDa SDS-PAGE: 48-52 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	C-reactive protein (CRP) is an acute-phase serum protein predominately synthesized by the liver in response to interleukin-6 (IL-6) during inflammation. The name of CRP derives from its ability to react with the C polysaccharide of <i>Streptococcus pneumoniae</i>. CRP is an annular, pentameric protein that belongs to the pentraxin family of proteins. CRP displays several functions associated with host defense: it promotes agglutination, bacterial capsular swelling, phagocytosis and complement fixation through its calcium-dependent binding to phosphorylcholine. It is used mainly as a marker of inflammation.		
References	1. Pepys MB, et al. (2003) C-reactive protein: a critical update.111(12):1805-12. 2. Black S, et al. (2004) C-reactive Protein.279(47):48487-90.		
Synonyms	C reactive protein, C-reactive protein, C-Reactive Protein/CRP, Crp		

Selected Validation Data



Purity of Recombinant Mouse CRP Protein was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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