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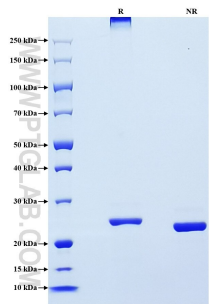
Recombinant Mouse Crp protein (His Tag)



Catalog Number: Eg0756

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: His Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <1.0 EU/μg protein, LAL method Source: HEK293-derived Mouse Crp protein His20-Ser225 (Accession# P14847) with a mouse IgG Fc tag at the C-terminus. GeneID: 12944 Accession: P14847 Predicted Molecular Mass: 27.5 kDa SDS-PAGE: Formulation: Lyophilized from sterile 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 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. Valkanova, Vyara et al. Journal of affective disorders vol. 150,3 (2013): 736-44. 2. Sproston, Nicola R, and Jason J Ashworth. Frontiers in immunology vol. 9 (2018): 754. 3. Pathak, Asmita, and Alok Agrawal. Frontiers in immunology vol. 10 (2019): 943.		
Synonyms	C reactive protein, C-reactive protein, C-Reactive Protein/CRP		
For technical support and original validation data for this product please contact			
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)		E: proteintech@ptglab.com W: ptglab.com	
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Selected Validation Data



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