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## Recombinant human CRP protein, C-His

Catalog Number: bs-0391P

Concentration: >0.5 mg/ml

AA Seq: 19-224/224

Predicted MW: 23

Detected MW: 25 kDa

Tags: C-His

Activity: Yes

Endotoxin: Not analyzed

Purity: >95% as determined by SDS-PAGE

Purification: AC

Form: Lyophilized or Liquid

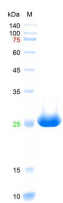
Storage: 10mM TBS (pH7.4).

Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

**Background:** Pentraxins are plasma proteins characterized by their pentameric discoid assembly and their Ca<sup>2+</sup> dependent ligand binding, such as Serum amyloid P component (SAP) and C-reactive Protein (CRP), which are cytokine-inducible acute-phase proteins implicated in innate immunity. CRP binds to ligands containing phosphocholine, SAP binds to amyloid fibrils, DNA, chromatin, fibronectin, C4-binding proteins and glycosaminoglycans. "Long" pentraxins have N-terminal extensions to the common pentraxin domain; one group, the neuronal pentraxins, may be involved in synapse formation and remodeling, and they may also be able to form heteromultimers.

### VALIDATION IMAGES

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The purity of the protein is greater than 90% as determined by reducing SDS-PAGE.

### PRODUCT SPECIFIC PUBLICATIONS

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Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**[IF=4.916]** Rong Z et al. A C-reactive protein immunosensor based on platinum nanowire/titania nanotube composite sensitized electrochemiluminescence. *Talanta*, 2019.205, 120135. Other ; . doi:10.1016/j.talanta.2019.120135