

## 32-7191: Recombinant Human C-Reactive Protein/CRP (C-6His)

**Gene :** CRP  
**Gene ID :** 1401  
**Uniprot ID :** P02741

### Description

Source: E.coli.  
MW :23.04kD.

Recombinant Human CRP is produced by our E.coli expression system and the target gene encoding Gln19-Pro224 is expressed with a 6His tag at the C-terminus. C-reactive protein (CRP) belongs to the pentaxin family. CRP is a secreted protein found in plasma. It can binds two calcium ions per subunit.CRP can promotes phagocytosis, bacterial capsular swelling, complement fixation and agglutination through its calcium-dependent binding to phosphorylcholine which expressed on the surface of dead or dying cells. It can activate the complement system via the C1Q complex. CRP can interact with DNA and histones. In addition, CRP may scavenge nuclear material released from damaged circulating cells.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mMTris,2MUrea,pH8.0.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** MQTDMRSKAFVFPKESDTSYVSLKAPLTKPLKAFTVCLHFYTELSSTRGYSIFSATYATKRQDNEILIFWSKDIGYSFTVGGSEILFEVPEVTVAPVHICTSWESASGIVEFWVDGKPRVRKSLKKGTYVGAEASIILGQEQDSFGGNFEQSQSLVGDIGNVNMWDFVLPDEINTIYLGGPFSPNVLNWRALKYEVQGEVFTKPQLWPLEHHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.