

Human C-Reactive Protein /CRP Protein



Cat. No. CRP-HM101

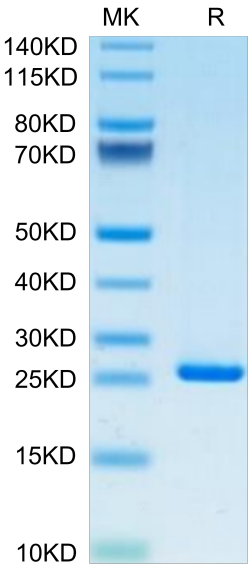
Description	
Source	Recombinant Human C-Reactive Protein /CRP Protein is expressed from HEK293 with His tag at the C-terminus. It contains Gln19-Pro224.
Accession	NP_000558.2
Molecular Weight	The protein has a predicted MW of 24.14 kDa. Due to glycosylation, the protein migrates to 25-27 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Supplied as 0.22 µm filtered solution in 20 mM Tris, 200mM NaCl, 5mM Cacl2 (pH 8.0).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background	
C-reactive protein (CRP) is a polypeptide molecule belonging to the family of pentraxins. CRP is synthesized primarily by the liver in response to certain pro-inflammatory cytokines. It plays an important role in innate immunity, opsonization by its properties, complement activation and immunoglobulins receptor binding. CRP is a protein of the acute systemic inflammation and is, therefore, a prime marker of inflammation.The CRP is quantified by immunonephelometry or immunoturbidimetry.	

Assay Data

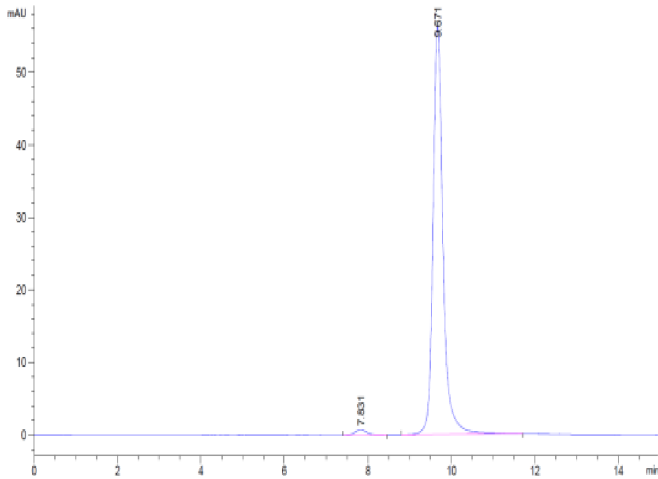
Bis-Tris PAGE



Human CRP on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Human CRP is greater than 95% as determined by SEC-HPLC.