



Recombinant Human CRP Protein Product Manual

1. Product Basic Information

Product No.: REP06551

Protein Name: Pentraxin C-Reactive Protein (CRP)

Aliases: pentraxin C-reactive protein; C-reactive protein, pentraxin-related

UniProt ID: P02741

UniProt Link: <https://www.uniprot.org/uniprotkb/P02741/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (18-224aa)

Molecular Weight: 29.1 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (18-224aa)

GQTDMSRKAFVFPKESDTSYVSLKAPLTKPLKAFTVCLHFYTELSSTRGYSIFS
YATKRQDNEILIFWSKDIGYSFTVGGSEILFEVPEVTVAPVHICTSWESASGIVEFW
VDGKPRVRKSLKKGTYVGAEASIILGQEQDSFGGNFEGSQSLVGDIGNVNMWDFV
LSPDEINTIYLGPFSPNVLNWRALKYEVQGEVFTKPQLWP

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human CRP full length of mature protein protein (18-224aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. CRP, also known as pentraxin C-reactive protein or C-reactive protein, pentraxin-related, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.