

# Recombinant Human CRP Protein, MYC/DDK-tagged, C13 and N15-labeled

**Cat. No.** CRP-008H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | CRP MS Standard C13 and N15-labeled recombinant protein (NP_000558) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | The protein encoded by this gene belongs to the pentaxin family. It is involved in several host defense related functions based on its ability to recognize foreign pathogens and damaged cells of the host and to initiate their elimination by interacting with humoral and cellular effector systems in the blood. Consequently, the level of this protein in plasma increases greatly during acute phase response to tissue injury, infection, or other inflammatory stimuli. |
| <b>Molecular Mass</b>   | 25 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | MEKLLCFLVLTSLSHAFGQTDMSRKAFVFPKESDTSYVSLKAPLTKPLKAFTVCLHFY<br>TELSSTRGYSIFSATKRQDNEILIFWSKDIGYSFTVGGSEILFEVPEVTVAPVHICTS<br>WESASGIVEFWVDGKPRVRKSLKKGTVGAESIILGQEQDSFGGNFEGSQSLVGD<br>IGNVNMWDFVLSPDEINTIYLGPPFSPNVLNWRALKYEVQGEVFTKPQLWPTRTRPL<br>EQKLISEEDLAANDILDYKDDDDKV                                                                                                                                                                                                      |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                       |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|-----------------------|--------------------------------------------------------------------------------------------|
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

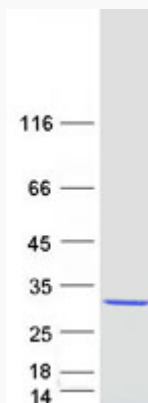
## GENE INFORMATION

|                        |                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CRP C-reactive protein [ Homo sapiens (human) ]                                                       |
| <b>Official Symbol</b> | CRP                                                                                                   |
| <b>Synonyms</b>        | CRP; C-reactive protein; PTX1; C-reactive protein; C-reactive protein, pentraxin-related; pentraxin 1 |
| <b>Gene ID</b>         | 1401                                                                                                  |
| <b>mRNA Refseq</b>     | NM_000567                                                                                             |
| <b>Protein Refseq</b>  | NP_000558                                                                                             |
| <b>MIM</b>             | 123260                                                                                                |
| <b>UniProt ID</b>      | P02741                                                                                                |

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**SDS-PAGE**

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