

CRP (19-224 a.a) Human

Description: CRP Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 207 amino acids (19-224 a.a.) and having a molecular mass of 23.2kDa. CRP is purified by proprietary chromatographic techniques.

Catalog #: PRPS-921

For research use only.

Synonyms: C-reactive protein, CRP, PTX1, MGC88244, MGC149895.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence: MQTDMSRKAF VFPKESDTSY VSLKAPLTKP LKAFTVCLHF
YTELSSTRGY SIFS YATKRQ DNEILIFWSK DIGYSFTVGG SEILFEVPEV TVAPVHICTS
WESASGIVEF WVDGKPRVRK SLKKG YTVGA EASIILGQEQ DSFGGNFEGS QSLVGDIGNV
NMWDFVLSPD EINTIYLG GP FSPNVLNWRA LKYE VQGEVF TKPQLWP.

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:

CRP protein solution (1mg/ml) containing 20mM Tris-HCl, pH8.0, 2M Urea and 20% Glycerol.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

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Introduction:

CRP is an acute phase protein that correlates with inflammatory disease and is synthesized by hepatocytes during the acute phase response by certain cytokines (IL-1 and TNF Alpha and Beta). CRP levels increase dramatically (up to 1,000 fold) and serve as a useful marker of inflammation in such conditions as bacterial infection, rheumatoid arthritis, viral infections, transplantation rejection, meningitis, myocardial infarction, septicemia, osteomyelitis and others. CRP is also highly correlated to Serum Amyloid A levels.

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