www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

CRP (19-224 a.a) Human

Catalog #:PRPS-921

For research use only.

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.

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 SIFSYATKRQ DNEILIFWSK DIGYSFTVGG SEILFEVPEV TVAPVHICTS WESASGIVEF WVDGKPRVRK SLKKGYTVGA EASIILGQEQ DSFGGNFEGS QSLVGDIGNV NMWDFVLSPD EINTIYLGGP FSPNVLNWRA LKYEVQGEVF 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:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

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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