
Product Data Sheet

Product Name: CRP (19-224 a.a) Human
 Cat. No.: GP23234
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	C-reactive protein; CRP; PTX1; MGC88244; MGC149895.		
Amino Acid Sequence	MQTDMSRKAF VFPKESDTSY VSLKAPLTKP LKAFTVCLHF YTELSSTRGY SIFSYATKRQ DNEILIFWSK DIGYSFTVGG SEILFEVPEV TVAPVHICTS WESASGIVEF WVDGKPRVRK SLKKGTVGA EASIILGQEQ DSFGGNFEGS QSLVGDIGNV NMWDFVLSPD EINTIYLGGP FSPNVLNWRA LKYEYQGEVF TKPQLWP.		
Formulation	CRP protein solution (1mg/ml) containing 20mM Tris-HCl, pH8.0, 2M Urea and 20% Glycerol.		

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.

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.

Background

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

Caution: Product has not been fully validated for medical applications. For research use only.

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23.2kDa.CRP is purified by proprietary chromatographic techniques.

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