
Product Data Sheet

Product Name: CRP Canine

Cat. No.: GP26272

Batch No.: 1

Product Data

Purity >98% Source HEK293 cells.

Physical Appearance solid Shipping Condition atRoomtemp.

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

Amino Acid Sequence
 QIDLDEKAFV FPRESSENSYV ILFPQLQKPM KAFTVCLQVY TDLTRPHSLF
 SYATKSQSNE ILLFKERPGL FSVSVGGSDA FINFPQKFYA PQHFCVTWES
 VTGLTELWVD GKPMVRASLR RGYTVGSGAS IVLGQEQDSF GGGFDKNQSL
 VGDIEDVNMW DFVLSPSQIL TLYTTRALSP NVLNWRNLRY ETRGEVFLKK
 ELWS

Solubility It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely.

Formulation CRP filtered (0.4 μ m) and lyophilized from 0.5mg/ml in 20mM Tris, 50mM NaCl and 1mM CaCl₂, pH 7.5.

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 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 lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

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

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Background

CRP Canine Recombinant is a single, glycosylated polypeptide chain containing 204 amino acids and having a molecular mass of 23.2kDa (calculated).

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