
Product Data Sheet

Product Name: CRP Mouse
 Cat. No.: GP26271
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	C-reactive protein, pentraxin-related, Crp.		
Amino Acid Sequence	HEDMFKKAFV FPKESDTSYV SLEAESKKPL NTFTVCLHFY TALSTVRSFS VFSYATKKNS NDILIFWNKD KQYTFGVGGA EVRFMVSEIP EAPTHICASW ESATGIVEFW IDGKPKVRKS LHKG YTVGPD ASIILGQEQD SYGGDFDAKQ SLVGDIGDVN MWDFVLSPEQ ISTVYVGGTL SPNVLNWRAL NYKAQGDVFI KPQLWSLEHH HHHH.		
Formulation	CRP solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M PMSF and 40% glycerol.		

Introduction

C-Reactive Protein or CRP, is a protein, part of the pentraxin superfamily. Among the protein's activities, CRP can promote agglutination, swelling of the bacteria capsule, phagocytosis etc. this protein can also cause complement fixation via a calcium-dependent binding to the molecule phosphorylcholine.

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 Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 214 amino acids (20-225 a.a) and having a molecular mass of 24.1 kDa. CRP is fused to a 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

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

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