

C-reactive protein, 20-225aa, Mouse, His tag, Insect cell

Cat.NO.: TP01379

3th Edition

Synonyms:C-reactive protein, pentraxin-related, Crp

Description:CRP, also known as c-reactive protein, is a member of the pentraxin family of proteins. It promotes agglutination, bacterial capsular swelling, phagocytosis and complement fixation through its calcium-dependent binding to phosphorylcholine. Recombinant mouse CRP, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 0.1M PMSF, 40% glycerol.

Molecular Weight:24.1kDa (214aa), 18-28kDa (SDS-PAGE under reducing conditions)

Sequences:

HEDMFKKAFVFPKESDTSYVSLEAESKKPLNTFTVCLHFYTALSTVRSFSVFSYATKKNSNDILIFWNKDKQYTFGV
GGAEVRFMVSEIPEAPTHICASWESATGIVEFWIDGKPKVRKSLHKGTYVGPDASIILGQEQDSYGGDFDAKQSLV
GDIGDVNMWDFVLSPEQISTVYVGGTLPNVNLNWRALNYKAQGDVFIKPQLWSLEHHHHHH

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.