

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

**Cat.NO.: TP01379**

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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:**

HEDMFKKAFVFPKESDTSYVSLEAESKKPLNTFTVCLHFYDALSTVRSFSVFSYATKKNSNDILIFWNKDKQYTFGV  
GGAEVRFMVSEIPEAPHTICASWESATGIVEFWIDGKPKVRKSLHKGTYVGPDASIILGQEQDSYGGDFDAKQSLV  
GDIGDVMWDFVLSPEQISTVYVGGTLPNVLNWRALNYKAQGDVFIKPQLWSLEHHHHHH

**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.