



Recombinant Guinea pig C-reactive protein (CRP)

Product Code	CSB-EP005991GU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P49254
Product Type	Recombinant Protein
Immunogen Species	Cavia porcellus (Guinea pig)
Purity	>85% (SDS-PAGE)
Sequence	G TDMSKKTFFV PKETDNSYVS LKAQLKKPLS AFTVCLHIYT ELFMTRGYSI FSYATEKEAN EILIFWSKDR GYILGVGGIE MPFKAPEIPS APVHICTSWE SVSGIHELWV DGKAQVRKSL QKGYFVGTEA MIILGQDQDS FGGSFDANQS FVGDIGDVNM WDFVLSPEI DMVYSGGTFS PNVLSWRSLT YETHGEVFIK PQLWP
Source	E.coli
Target Names	CRP
Protein Names	Recommended name: C-reactive protein
Expression Region	20-225
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein belongs to the pentaxin family. It is involved in several host defense related functions based on its ability to recognize foreign pathogens and damaged cells of the host and to initiate their elimination by interacting with humoral and cellular effector systems in the blood. Consequently, the level of this protein in plasma increases greatly during acute phase response to tissue injury, infection, or other inflammatory stimuli.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.