



## CERTIFICATE OF ANALYSIS

PRODUCT NAME:	C-Reactive Protein Human (R-Hcrp)
CAS NO:	99401-15-7
CAT. NO:	I140-11R
PROTEIN CONC:	Typicall > 1mg/MI
PURITY:	Single Major Band Visualized
SOURCE:	E. Coli-Recombinant Human
STORAGE:	2-8c Do Not Freeze

Human C-reactive protein (CRP) is produced by hepatocytes as acute phase reactant to respond to inflammation and tissue damage. It consists of five identical subunits under physiological conditions to show pentamer structure as member of pentraxin family. Binds phosphorylcholine in Ca<sup>2+</sup>-dependent manner.

Human Recombinant product: By patented technology pentamerized active recombinant human C reative protein (r-hCRP) molecule is secreted into culture medium during E.coli fermentation with host cells having human CRP gene, allowing r-hCRP to be excreted without cell lysis. The patented technology specifies only active r-hCRP to be manufactured, which is equivalent to native one originated from human tissues. The recombinant human C reative protein C Reactive Protein CRP is affinity-purified by use of phosphorylcholine conjugated matrices. As a result, recombinant human C reative protein presents the longest stability for 2 years as supplied refrigerated.

Recombinant human C reative protein CRP Applications: Standard antigen for human C reative protein CRP determination, recombinant human C reative protein r-hCRP has been evaluated as a secondary reference material to meet standardization of high sensitive human C reative protein CRP assay. Taken from Clin. Chem. 2003 49(4):611-616.