

C Reactive Protein (CRP) Recombinant Protein | CRP recombinant protein

Recombinant C Reactive Protein (CRP)

CATALOG # AAA133994	HOST E. coli	APPLICATIONS Western Blot, SDS-Page
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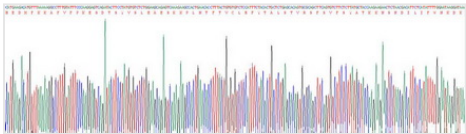
PRODUCT SYNONYMS

C Reactive Protein (CRP); Recombinant C Reactive Protein (CRP); CRP recombinant protein

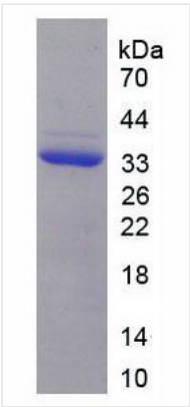
PRODUCT SPECIFICATIONS

Host	E. coli
Purity/Purification	> 90%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01%skl, 5% Trehalose.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Sequence	HEDMFKKAFV FPKESDTSYV SLEAESKKPL NTFTVCLHFY TALSTVRSFS VFSYATKKNS NDILIFWNKD KQYTFGVGGA EVRFMVSEIP EAPTHICASW ESATGIVEFW IDGKAKVRKS LHKGYTVGPD ASIILGQEQD SYGGDFDAKQ SLVGDIGDVN MWDFVLSPEQ INTVYVGGL SPNVLNWRAL NYKAQGDVFI KPQLWS
Applicable Applications for CRP recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Organism Species	Mus musculus (Mouse)
Source	Prokaryotic expression
Residues	His20~Ser225Tags
Subcellular Location	Secreted
Traits	Freeze-dried powder
Predicted isoelectric point	5.6
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Gene Sequence
Gene Sequencing (extract)



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	162138926
NCBI GeneID	12944
NCBI Accession #	NP_031794.3
NCBI GenBank Nucleotide #	NM_007768.4
UniProt Accession #	P14847; E9PZ20
Molecular Weight	Predicted Molecular Mass: 29.8kDa Accurate Molecular Mass: 34kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	C-reactive protein
NCBI Official Synonym Full Names	C-reactive protein, pentraxin-related
NCBI Official Symbol	Crp
NCBI Official Synonym Symbols	AI255847
NCBI Protein Information	C-reactive protein; C-reactive protein, petaxin related
UniProt Protein Name	C-reactive protein
UniProt Gene Name	Crp
UniProt Synonym Gene Names	Ptx1
UniProt Entry Name	CRP_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/crp-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/133994>