

# Recombinant human CINP protein

Catalog Number: ATGP1118

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-212aa

### UniProt No.

Q9BW66

### NCBI Accession No.

NP\_116019

### Alternative Names

Cyclin-dependent kinase 2-interacting protein, CDK2-interacting protein

## PRODUCT SPECIFICATION

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### Molecular Weight

26.4 kDa (232aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

### Purity

> 95% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

CINP, also known as Cyclin-dependent kinase 2-interacting protein, belongs to the CINP family. This protein interacts with the components of the replication complex and 2 kinases, CDK2 and CDC7, thereby providing a functional and physical link between CDK2 and CDC7 during firing of the origins of replication. Recombinant human CINP protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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### Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MEAKTLGTVT PRKPVLSVSA RKIKDNAADW HNLILKWETL NDAGFTTANN IANLKISLLN  
KDKIELDSSS PASKENEEKV CLEYNEELEK LCEELQATLD GLTKIQVKME KLSSTTKGIC ELENYHYGEE SKRPPLFHTW  
PTTHFYEVSH KLEMYRKEL LLKRTVAKEL AHTGDPDLTL SYLSMWLHQP YVESDSRLHL ESMLLETGHR AL

### General References

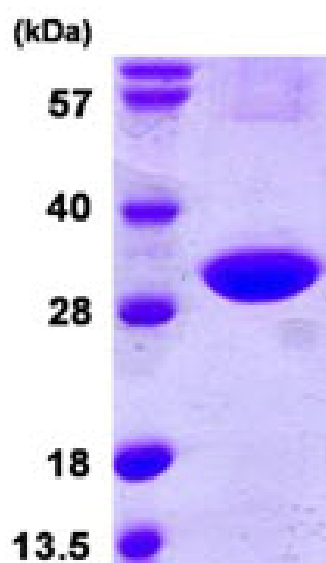
Grishina I., et al. (2005) Cell Cycle. 4:1120-1126

Lovejoy C.A., et al. (2009) Proc. Natl. Acad. Sci. u.S.A. 106:19304-19309

## DATA

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### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)