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## **Recombinant human CINP protein**

Catalog Number: ATGP1118

#### **PRODUCT INFORMATION**

#### **Expression system**

E.coli

#### **Domain**

1-212aa

#### UniProt No.

O9BW66

#### **NCBI Accession No.**

NP 116019

#### **Alternative Names**

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

### **PRODUCT SPECIFICATION**

#### **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**

#### **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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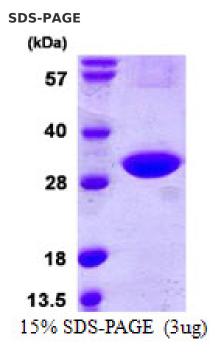
### **Amino acid Sequence**

MGSSHHHHHH SSGLVPRGSH MEAKTLGTVT PRKPVLSVSA RKIKDNAADW HNLILKWETL NDAGFTTANN IANLKISLLN KDKIELDSSS PASKENEEKV CLEYNEELEK LCEELQATLD GLTKIQVKME KLSSTTKGIC ELENYHYGEE SKRPPLFHTW PTTHFYEVSH KLLEMYRKEL 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



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

