

Recombinant human CINP protein

Catalog Number: ATGP1118

PRODUCT INFORMATION

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

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 KLEMYRKEL LLKRTVAKEL AHTGDPDLTL SYLSMWLHQP YVESDSRLHL ESMLLETGHR AL

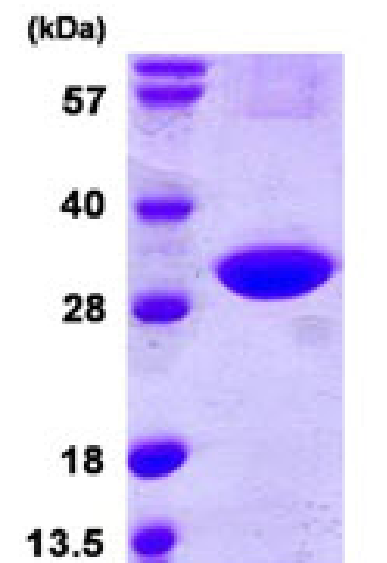
General References

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

SDS-PAGE



15% SDS-PAGE (3ug)

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