

## Recombinant Human CINP, His-tagged

**Cat. No.** CINP-27247TH    **Lot. No.** (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant full length Human CINP with an N terminal His tag; 232 amino acids with tag, Predicted MWt 26.4 kDa.  |
| <b>Species</b>          | Human   |
| <b>Source</b>           | E.coli  |
| <b>ProteinLength</b>    | 212 amino acids   |
| <b>Description</b>      | The protein encoded by this gene interacts with CDK2, MCM5, and CDC7, and is associated with the origin recognition complex protein ORC2. It acts as a homodimer and is involved in replication and ATR-mediated checkpoint signaling. Three transcript variants encoding different isoforms have been found for this gene. |
| <b>Conjugation</b>      | HIS   |
| <b>Molecular Weight</b> | 26.400kDa inclusive of tags   |
| <b>Form</b>             | Liquid  |
| <b>Purity</b>           | >95% by SDS-PAGE  |
| <b>Storage buffer</b>   | Preservative: None<br>Constituents: 20% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, 1mM DTT, pH 8.0  |

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|                                 |  |
|---------------------------------|--|
| <b>Storage</b>                  | Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.  |
| <b>Sequences of amino acids</b> | MGSSHHHHHSSGLVPRGSHMEAKTLGTVTPRKPVLSVSARKIKDNAADWHNLILK<br>WETLNDAGFTTANNIANLKISLLNKDKIELDSSSPASKENEEKVCLEYNEELEKLCEEL<br>QATLDGLTKIQVKMEKLSSTTKGICELENYHYGEESKRPPFLHTWPTTHFYEVSHKL<br>LEMYRKELLLKRTVAKELAHTGDPDLTSLYSMWLHQPYVESDSRLHLESMLLETGH<br>RAL |
| <b>Sequence Similarities</b>    | Belongs to the CINP family.  |
| <b>GENE INFORMATION</b>         |  |
| <b>Gene Name</b>                | CINP cyclin-dependent kinase 2 interacting protein [ Homo sapiens ]  |
| <b>Official Symbol</b>          | CINP   |
| <b>Synonyms</b>                 | CINP; cyclin-dependent kinase 2 interacting protein; cyclin-dependent kinase 2-interacting protein; MGC849;  |
| <b>Gene ID</b>                  | 51550  |
| <b>mRNA Refseq</b>              | NM_001177612   |
| <b>Protein Refseq</b>           | NP_001171083   |
| <b>MIM</b>                      | 613362   |
| <b>Uniprot ID</b>               | Q9BW66   |

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|                            |                  |
|----------------------------|------------------|
| <b>Chromosome Location</b> | 14q32.33         |
| <b>Function</b>            | protein binding; |

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