

## Recombinant Human CDKN1C, His-tagged

Cat. No. CDKN1C-11061H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human CDKN1C protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.

**Species** Human

**Source** E.coli

**ProteinLength** 1-316a.a.

**Description** CDC25B is a member of the CDC25 family of phosphatases. CDC25B activates the cyclin dependent kinase CDC2 by removing two phosphate groups and it is required for entry into mitosis. CDC25B shuttles between the nucleus and the cytoplasm due to nuclear localization and nuclear export signals. The protein is nuclear in the M and G1 phases of the cell cycle and moves to the cytoplasm during S and G2. CDC25B has oncogenic properties, although its role in tumor formation has not been determined. Multiple transcript variants for this gene exist.

**Storage** The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

**Storage Buffer** 1M PBS (58mM Na<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

### GENE INFORMATION

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<b>Gene Name</b>	CDKN1C cyclin-dependent kinase inhibitor 1C (p57, Kip2) [ Homo sapiens ]
<b>Official Symbol</b>	CDKN1C
<b>Synonyms</b>	CDKN1C; cyclin-dependent kinase inhibitor 1C (p57, Kip2); Beckwith Wiedemann syndrome , BWCR, BWS; cyclin-dependent kinase inhibitor 1C; KIP2; P57; p57Kip2; cyclin-dependent kinase inhibitor p57; BWS; WBS; p57; BWCR;
<b>Gene ID</b>	1028
<b>mRNA Refseq</b>	NM_000076
<b>Protein Refseq</b>	NP_000067
<b>MIM</b>	600856
<b>UniProt ID</b>	P49918
<b>Chromosome Location</b>	11p15.5
<b>Pathway</b>	Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; Endochondral Ossification, organism-specific biosystem; G1 to S cell cycle control, organism-specific biosystem;
<b>Function</b>	cyclin-dependent protein kinase inhibitor activity; protein binding; protein kinase inhibitor activity;

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