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℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

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

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