

## Recombinant Human CCND1 protein, Flag-tagged

Cat. No. CCND1-24H Lot. No. (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Human CCND1 fused with flag tag at C-terminal was expressed in Insect cells.  |
| <b>Species</b>          | Human   |
| <b>Source</b>           | Insect Cells  |
| <b>Description</b>      | <p>The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance throughout the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin forms a complex with and functions as a regulatory subunit of CDK4 or CDK6, whose activity is required for cell cycle G1/S transition. This protein has been shown to interact with tumor suppressor protein Rb and the expression of this gene is regulated positively by Rb. Mutations, amplification and overexpression of this gene, which alters cell cycle progression, are observed frequently in a variety of tumors and may contribute to tumorigenesis.</p> |
| <b>Form</b>             | 50mM Tris-HCl pH8.0, 150mM NaCl, 10%glycerol. Store at -80C. Avoid repeated freeze-thaw cycles. Stable for at least 7 months from receipt of products under proper storage and handling conditions.   |
| <b>Molecular Mass</b>   | 34 kDa  |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining   |

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**Concentration** >50 ug/mL as determined by microplate BCA method

## GENE INFORMATION

**Gene Name** CCND1 cyclin D1 (PRAD1: parathyroid adenomatosis 1) [ Homo sapiens ]

**Official Symbol** CCND1

**Synonyms** CCND1; cyclin D1 (PRAD1: parathyroid adenomatosis 1); BCL1, cyclin D1 (PRAD1: parathyroid adenomatosis 1) , D11S287E, PRAD1; B cell CLL/lymphoma 1; G1/S specific cyclin D1; parathyroid adenomatosis 1; U21B31; BCL-1; PRAD1; D11S287E;

**Gene ID** 893

**mRNA Refseq** NM\_053056

**Protein Refseq** NP\_444284

**MIM** 168461

**UniProt ID** P24385

**Chromosome Location** 11q13

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