

Recombinant Human CCND1 protein, DDK-tagged

Cat. No. CCND1-171H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CCND1 fused with DDK tag at C-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
Description	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.
Form	50mM Tris-HCl pH8.0, 150mM NaCl, 10%glycerol.
Molecular Mass	34 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 7

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months from receipt of products under proper storage and handling conditions.

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 BCL1; PRAD1; U21B31; D11S287E

Gene ID 595

mRNA Refseq NM_053056

Protein Refseq NP_444284

MIM 168461

UniProt ID P24385

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