

Recombinant Human CCND1 protein, MYC/DDK-tagged

Cat. No. CCND1-23H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CCND1 fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
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	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	33.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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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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