

Recombinant Human CCND1 Protein, His/Avi tagged, Biotinylated

Cat. No. CCND1-001HB **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human CCND1 Protein with His/Avi tag 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 human cancers.
Form	Liquid
Molecular Mass	The protein has a calculated MW of 37 kDa.
AA Sequence	MEHQLLCCEVETIRRAYPDANLLNDRVLRAMLKAEETCAPSVSYFKCVQKEVLPSP RKIVATWMLLEVCEEQKCEEEVFPLAMNYLDRFLSLEPVKKSRLQLLGATCMFVASK

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MKETIPLTAEKLCIYTDNSIRPEELLQMELLLVNKLKWNLAAMTPHDFIEHFLSKMPEA
 EENKQIIRKHAQTFVALCATDVKFISNPPSMVAAGSVVAAVQGLNLRSPNNFLSYRRL
 TRFLSRVIKCDPDCLRACQEIEALLESSLRQAQQNMDPKAAEEEEEEEEEEVDLACT
 PTDVRDVDIHSHHHHHHHHGLNDIFEAQKIEWHE

Purity > 90% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 1.39 mg/mL

Storage Buffer Liquid in sterile PBS, pH 7.4, 0.2% SKL, 10% Glycerol

Conjugation Biotin

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 595

mRNA Refseq NM_053056

Protein Refseq NP_444284

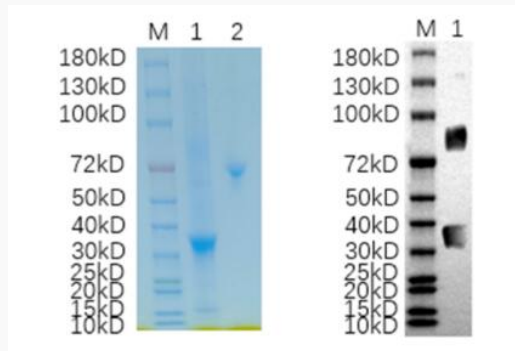
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MIM 168461**UniProt ID** P24385

Reducing 12% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal Antibody) analysis profile of purified CCND1.



1. CCND1-001HB
2. BSA

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