Recombinant Human CCND3 Protein, His/Avi tagged, Biotinylated

Cat. No. CCND3-001HB **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human CCND3 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 through 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 activtiy is required for cell cycle G1/S transition. This protein has been shown to interact with and be involved in the phosphorylation of tumor suppressor protein Rb. The CDK4 activity associated with this cyclin was reported to be necessary for cell cycle progression through G2 phase into mitosis after UV radiation. Several transcript variants encoding different isoforms have been found for this gene.
Form	Liquid
Molecular Mass	The protein has a calculated MW of 36 kDa.
AA Sequence	MELLCCEGTRHAPRAGPDPRLLGDQRVLQSLLRLEERYVPRASYFQCVQREIKPHM

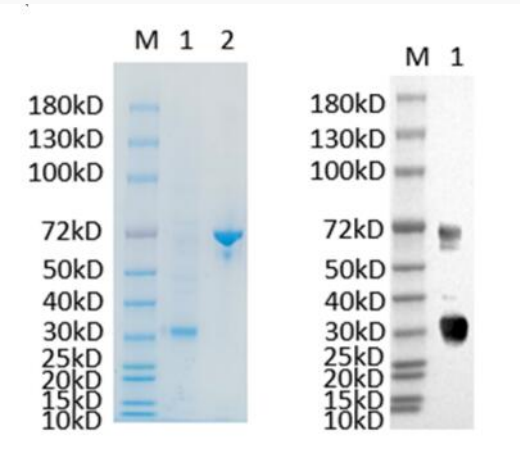
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	RKMLAYWMLEVCEEQRCEEEVFPLAMNYLDRYLSCVPTRKAQLQLLGAVCMLLAS KLRETTPLTIEKLCIYTDHAVSPRQLRDWEVLVLGKLKWDLAAVIAHDFLAFILHRLSL PRDRQALVKKHAQTFLALCATDYTFAMYPPSMIATGSIGAAVQGLGACSMSGDELT ELLAGITGTEVDCLRACQEQIEAALRESLREASQTSSSPAPKAPRGSSSQGPSQTST PTDVTAIHLHHHHHHHHHGLNDIFEAQKIEWHE
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	1.67 mg/mL
Storage Buffer	Liquid in sterile PBS, pH 7.4, 10% Glycerol
Conjugation	Biotin

GENE INFORMATION

Gene Name	CCND3 cyclin D3 [Homo sapiens]
Official Symbol	CCND3
Synonyms	CCND3; cyclin D3; G1/S-specific cyclin-D3; D3-type cyclin; G1/S-specific cyclin D3;
Gene ID	896
mRNA Refseq	NM_001136017
Protein Refseq	NP_001129489

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MIM	123834
UniProt ID	P30281
Reducing 12% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal Antibody) analysis profile of purified CCND3.	 1. CCND3-001HB 2. BSA

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