

Recombinant Human CCND2 Protein, C-His/Avi tagged, Biotinylated

Cat. No. CCND2-001HB **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human CCND2 Protein with C-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 CDK4 or CDK6 and functions as a regulatory subunit of the complex, whose activity 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. Knockout studies of the homologous gene in mouse suggest the essential roles of this gene in ovarian granulosa and germ cell proliferation. High level expression of this gene was observed in ovarian and testicular tumors. Mutations in this gene are associated with megalencephaly-polymicrogyria-polydactyly-hydrocephalus syndrome 3 (MPPH3).
Form	Liquid
Molecular Mass	The protein has a calculated MW of 36 kDa.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AA Sequence	MELLCHEVDPVRRRAVRDRNLLRDDRVLQNLLTIEERYLPQCSYFKCVQKDIQPYMR RMVATWMLEVCEEQKCEEEVFPLAMNYLDRFLAGVPTPKSHLQLLGAVCMFLASKL KETSPLTAEKLCIYTDNSIKPQELLEWELVVLGKLKWNLA AVTPHDFIEHILRKLPQQR EKLSLIRKHAQTFIALCATDFKFAMYP PSMIATGSVGA AICGLQQDEEVSSLTCDALT ELLAKITNTD V DCLKACQE QIEAVLLNSLQQYRQDQRD GSKSEDELDQASTPTDVRD IDLHHHHHHH HGLNDIFE AQKIEWHE
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	0.73 mg/mL
Storage Buffer	Liquid in sterile PBS, pH 7.4, 1% SKL
Conjugation	Biotin
GENE INFORMATION	
Gene Name	CCND2 cyclin D2 [Homo sapiens]
Official Symbol	CCND2
Synonyms	CCND2; cyclin D2; G1/S-specific cyclin-D2; G1/S specific cyclin D2; G1/S-specific cyclin D2; KIAK0002; MGC102758;
Gene ID	894
mRNA Refseq	NM_001759

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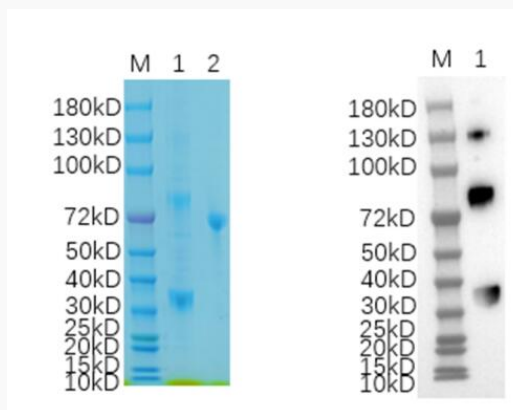
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Protein Refseq NP_001750

MIM 123833

UniProt ID P30279

Reducing 12% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal Antibody) analysis profile of purified CCND2.



1. CCND2-001HB

2. BSA

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