

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	<p>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).</p>
Form	Liquid
Molecular Mass	The protein has a calculated MW of 36 kDa.

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AA Sequence

MELLCHEVDPVRRRAVRDRNLLRDDRVLQNLLETIERYL PQCSYFKCVQKDIQPYMR
 RMVATWMLLEVCEEQKCEEEVFPLAMNYLDRFLAGVPTPKSHLQLLGAVCMFLASKL
 KETSPLTAEKLCIYTDNSIKPQELLEWELVVLGKWKWNLAAVTPHDFIEHILRKLPQQR
 EKLSLIRKHAQTFIALCATDFKFKFAMYPPSMIATGSVGAICGLQQDEEVSSLTCDALT
 ELLAKITNTDVDCLKACQEQIEAVLLNSLQQYRQDQRDGSKSEDELQASTPTDVRD
 IDLHHHHHHHHHGLNDIFEAQKIEWHE

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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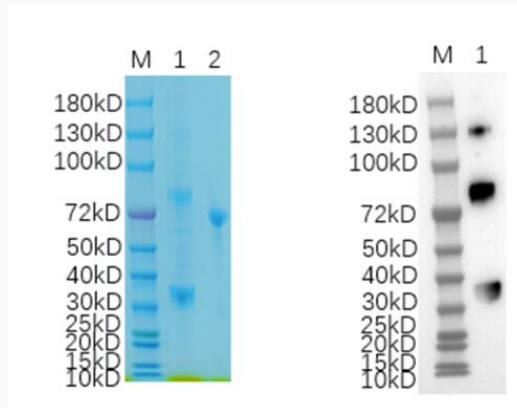
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Protein Refseq NP_001750

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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