

Recombinant Human CCND3 cell lysate

Cat. No. CCND3-305HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species Human

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 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. 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.

Size 100 ul

Storage Buffer 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Applications Western Blot;

GENE INFORMATION

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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
MIM	123834
UniProt ID	P30281
Chromosome Location	6p21
Pathway	B Cell Receptor Signaling Pathway, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; Coregulation of Androgen receptor activity, organism-specific biosystem;
Function	protein binding; protein kinase binding;