

## Recombinant Human Human CDK6, His-tagged

**Cat. No.** CCND3-31765TH    **Lot. No.** (See product label)

### SPECIFICATION

**Product Overview**      Recombinant full length Human CDK6 with N terminal His tag and Recombinant full length Human CCND3 with N terminal proprietary tag co-expressed in a Baculovirus infected Sf9 cell expression system, 38kDa and 59kDa respectively.

**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.

**Conjugation**                HIS

**Form**                            Liquid

**Storage buffer**              Preservative: None  
 Constituents: 30% Glycerol, 0.05% Tween 20, 3mM DTT, 25mM Tris HCl, 100mM Sodium chloride, pH 8.0

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<b>Storage</b>	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
<b>Full Length</b>	Full L.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	CCND3 cyclin D3 [ Homo sapiens ]
<b>Official Symbol</b>	CCND3
<b>Synonyms</b>	CCND3; cyclin D3; G1/S-specific cyclin-D3;
<b>Gene ID</b>	896
<b>mRNA Refseq</b>	NM_001136017
<b>Protein Refseq</b>	NP_001129489
<b>MIM</b>	123834
<b>Uniprot ID</b>	P30281
<b>Chromosome Location</b>	6p21
<b>Pathway</b>	B Cell Receptor Signaling Pathway, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem;
<b>Function</b>	protein binding; protein kinase binding;

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