

Recombinant Full Length Human CCND1 Protein, GST-tagged

Cat. No. CCND1-2967HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CCND1 full-length ORF (AAH01501, 1 a.a. - 295 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	295 amino acids
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 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 tumor suppressor protein Rb and the expression of this gene is regulated positively by Rb. Mutations, amplification and overexpression of this gene, which alters cell cycle progression, are observed frequently in a variety of tumors and may contribute to tumorigenesis. [provided by RefSeq, Jul 2008]
Molecular Mass	58.19 kDa
AA Sequence	MEHQLLCCEVETIRRAYPDANLLNDRVLRAMLKAEETCAPSVSYFKCVQKEVLPSM RKIVATWMLLEVCEEQKCEEEVFPLAMNYLDRFLSLEPVKKSRLQLLGATCMFVASK

 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

MKETIPLTAGKLCIYTDNSIRPEELLQMELLVNKLKWNLAAMTPHDFIEHFLSKMPEA
EENKQIIRKHAQTFVALCATDVKFISNPPSMVAAGSVVAAVQGLNLRSPNNFLSYRL
TRFLSRVIKCDPDCLRACQEIEALLESSLRQAQQNMDPKAAEEEEEEEEEEVDLACT
PTDVRDVDI

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name CCND1 cyclin D1 (PRAD1: parathyroid adenomatosis 1) [Homo sapiens]

Official Symbol CCND1

Synonyms CCND1; cyclin D1 (PRAD1: parathyroid adenomatosis 1); BCL1, cyclin D1 (PRAD1: parathyroid adenomatosis 1), D11S287E, PRAD1; B cell CLL/lymphoma 1; G1/S specific cyclin D1; parathyroid adenomatosis 1; U21B31; BCL-1; PRAD1; D11S287E;

Gene ID 595

mRNA Refseq NM_053056

Protein Refseq NP_444284

MIM 168461

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UniProt ID

P24385

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