



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### CCND1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00000595-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human CCND1 full-length ORF (AAH01501, 1 a.a. - 295 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MEHQLLCCEVETIRRAYPDANLLNDRVLRAMLKAEET  
CAPSVSYFKCVQKEVLPSMRKIVATWMLVCEEQKCE  
EEVFLAMNYLDRFLSLEPVKKSRLQLLGATCMFVASK  
MKETIPLTAGKLCIYTDNSIRPEELLQMELLLLVNLKWN  
LAAMTPHDFIEHFLSKMPEAEENKQIIRKHAQTFVALCA  
TDVKFISNPPSMVAAGSVVAAVQGLNLRSPNNFLSYY  
RLTRFLSRVIKCDPDCLRACQEIQEALLESSLRQAQQN  
MDPKAAEEEEEEEEVDLACTPTDVRDVI

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 58.19

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

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

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 595

**Gene Symbol:** CCND1

**Gene Alias:** BCL1, D11S287E, PRAD1, U21B31

**Gene Summary:** 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]

**References:**

1. Spontaneous Peripheral T-cell Responses toward the Tumor-Associated Antigen Cyclin D1 in Patients with Clear Cell Renal Cell Carcinoma. Dannenmann SR, Hermanns T, Bransi A, Matter C, von Boehmer L, Stevanovic S, Schraml P, Moch H, Knuth A, van den Broek M. Cancer Immunol Res doi:10.1158/2326-6066.CIR-13-0113