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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

CCND1 Split FISH Probe

Catalog # : FA0638

規格 : [200 uL]

List All

Specification

Product Description:	Made to order FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization Technique. (Technology)
Supplied Product:	DAPI Counterstain (1500 ng/mL) 250 uL
Storage Instruction:	Store at 4°C in the dark.
Origin:	Human
Source:	Genomic DNA
Notice:	We strongly recommend the customer to use FFPE FISH PreTreatment Kit 1 (Catalog #: KA2375 or KA2691) for the pretreatment of Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections.
Regulation Status:	For research use only (RUO)

Application Image

Fluorescent In Situ Hybridization (Cell)

Applications

Fluorescent In Situ Hybridization (Cell)

 [Protocol Download](#)

Gene Information

Entrez GeneID: [595](#)

Gene Name: CCND1

Gene Alias: BCL1,D11S287E,PRAD1,U21B31

Gene Description: cyclin D1

Omim ID: [151400](#), [168461](#), [193300](#), [254500](#)

Gene Ontology: [Hyperlink](#)

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]

Other B-cell CLL/lymphoma 1,G1/S-specific cyclin D1

Designations:

Gene Pathway

[Acute myeloid leukemia](#) [Bladder cancer](#) [Cell cycle](#) [Chronic myeloid leukemia](#)
[Colorectal cancer](#) [Endometrial cancer](#) [Focal adhesion](#) [Glioma](#) [Jak-STAT signaling pathway](#)
[Melanoma](#) [Non-small cell lung cancer](#) [p53 signaling pathway](#) [Pancreatic cancer](#)
[Pathways in cancer](#) [Prostate cancer](#) [Small cell lung cancer](#) [Thyroid cancer](#)
[Wnt signaling pathway](#)

Related Disease

[Adenocarcinoma](#) [Adenocarcinoma, Mucinous Adenoma](#) [Ataxia telangiectasia](#)
[Barrett Esophagus](#) [Brain Neoplasms](#) [Breast cancer](#) [Breast Neoplasms](#)
[Breast Neoplasms, Male](#) [Carcinoma](#) [Carcinoma in Situ](#) [Carcinoma, Basal Cell](#)
[Carcinoma, Hepatocellular](#) [Carcinoma, Non-Small-Cell Lung](#) [Carcinoma, Renal Cell](#)
[Carcinoma, Squamous Cell](#) [Carcinoma, Transitional Cell](#) [Cell Transformation, Neoplastic](#)
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