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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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CCND2(Texas Red)/CEN12p(FITC) FISH Probe

Catalog # : FA0566

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)

Publication Reference

1. [Integrated analysis of pediatric glioblastoma reveals a subset of biologically favorable tumors with associated molecular prognostic markers.](#)
Korshunov A, Ryzhova M, Hovestadt V, Bender S, Sturm D, Capper D, Meyer J, Schrimpf D, Kool M, Northcott PA, Zheludkova O, Milde T, Witt O, Kulozik AE, Reifenberger G, Jabado N, Perry A, Lichter P, von Deimling A, Pfister SM, Jones DT. Acta Neuropathol. 2015 May;129(5):669-78. Epub 2015 Mar 10.

Applications

Fluorescent In Situ Hybridization (Cell)

 [Protocol Download](#)

Gene Information

Entrez GeneID: [894](#)

Gene Name: CCND2

Gene Alias: KIAK0002,MGC102758

Gene Description: cyclin D2

Omim ID: [123833](#)

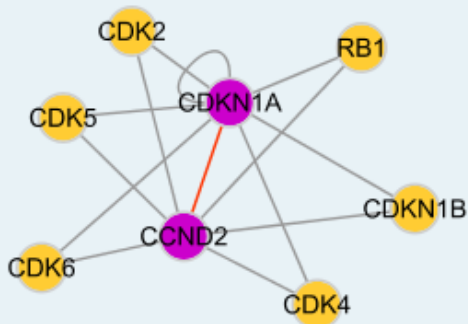
Gene Ontology: [Hyperlink](#)

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 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. Knockout studies of the homologous gene in mouse suggest the essential roles of this gene in ovarian granulosa and germ cell proliferation. High level expression of this gene was observed in ovarian and testicular tumors. [provided by RefSeq

Other Designations: G1/S-specific cyclin D2

Interactome



Gene Pathway

[Cell cycle](#) [Focal adhesion](#) [Jak-STAT signaling pathway](#) [p53 signaling pathway](#)
[Wnt signaling pathway](#)

Related Disease

[Breast cancer](#) [Breast Neoplasms](#) [Carcinoma, Hepatocellular](#) [Diabetes Mellitus, Type 2](#)
[Genetic Predisposition to Disease](#) [Hepatitis B](#) [Kidney Failure, Chronic](#) [Liver Neoplasms](#)
[Narcolepsy](#) [Neoplasm Invasiveness](#) [Ovarian cancer](#) [Ovarian Neoplasms](#)

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