

AR50167PU-S

Human Cyclin D2 (1-289, His-tag) - Purified

Alternate names:

CCND2, Cyclin-D2

Quantity:

0.1 mg

Concentration:

1 mg/ml (determined by Bradford)

Background:

CCND2 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. High level expression of this protein was observed in ovarian and testicular tumors.

Uniprot ID:

[P30279](#)

NCBI:

[NP_001750](#)

GeneID:

[894](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 2mM DTT, 1M Urea.

Description:

Recombinant human CCND2 protein, fused to His-tag at N-terminus, was expressed in E.coli.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSHMELLCH EVDPVRRRAVR DRNLLRDDR LQNLLTIEER
YLPQCSYFKC VQKDIQPYMR RMVATWMLEV CEEQKCEEEV FPLAMNYLDR FLAGVPTPKS
HLQLLGAVCM FLASKLKETS PLTAEKLCIY TDNSIKPQEL LEWELVVLGK LKWNLA AVTP
HDFIEHILRK LPQQRKLSL IRKHAQT FIA LCATDFKFAM YPPSMIATGS VGAAICGLQQ
DEEVSSLTCD ALTELLAKIT NTDVDCLKAC QE QIEAVLLN SLQQYRQDQR DGSKSEDELD
QASTPTDVRD IDL

Molecular weight: 35.6 kDa (313aa)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Inaba T., et al. (1992) Genomics. 13(3):565-74. Wang Z., et al. (2008) Cell Struct Funct. 33(2):171-83.

Pictures:

