

Recombinant human CCND2 protein

Catalog Number: ATGP1342

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-289aa

UniProt No.

P30279

NCBI Accession No.

NP_001750

Alternative Names

Cyclin D2, KIAK0002, MGC102758, G1/S-specific cyclin-D2

PRODUCT SPECIFICATION

Molecular Weight

35.6 kDa (313aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 1M urea.

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

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

Recombinant human CCND2 protein

Catalog Number: ATGP1342

observed in ovarian and testicular tumors. Recombinant human CCND2 protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSHMELLCH EVDPVRRRAVR DRNLLRDDR LQNLLTIEER YLPQCSYFKC VQKDIQPYMR
RMVATWMLEV CEEQKCEEEV FPLAMNYLDR FLAGVPTPKS HLQLLGAVCM FLASKLKETS PLTAEKLCIY TDNSIKPQEL
LEWELVVLGK LKWNLAATVP HDFIEHILRK LPQQREKLSL IRKHAQTFIA LCATDFKFAM YPPSMIATGS VGAAICGLQQ
DEEVSSLTCD ALTELLAKIT NTDVDCLKAC QEIEAVLLN SLQQYRQDQR DGSKSEELD QASTPTDVRD IDL

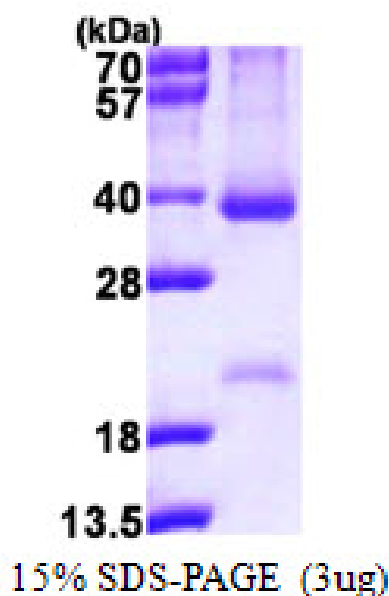
General References

Inaba T., et al. (1992) Genomics. 13(3):565-74.

Wang Z., et al. (2008) Cell Struct Funct. 33(2):171-83.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.