abcam

Product datasheet

Recombinant Human Cyclin D2 protein (denatured) ab116405

1 图像

描述

产品名称 重组人Cyclin D2蛋白(denatured)

纯**度** > 85 % SDS-PAGE.

表达系统 Escherichia coli

Accession P30279

蛋白长度 Full length protein

无动物成分 No

性质 Recombinant

种属 Human

序列 MGSSHHHHHH SSGLVPRGSH MGSHMELLCH

EVDPVRRAVR DRNLLRDDRV LQNLLTIEER YLPQCSYFKC VQKDIQPYMR RMVATWMLEV CEEQKCEEEV FPLAMNYLDR FLAGVPTPKS HLQLLGAVCM FLASKLKETS PLTAEKLCIY TDNSIKPQEL LEWELVVLGK LKWNLAAVTP HDFIEHILRK LPQQREKLSL IRKHAQTFIA LCATDFKFAM YPPSMIATGS VGAAICGLQQ DEEVSSLTCD ALTELLAKIT NTDVDCLKAC QEQIEAVLLN SLQQYRQDQR DGSKSEDELD

QASTPTDVRD IDL

预测分子量 36 kDa including tags

氨基酸 1 to 289

标签 His tag N-Terminus

描述 重组人Cyclin D2蛋白

技术指标

Our **Abpromise guarantee** covers the use of **ab116405** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用 SDS-PAGE

形式 Liquid

1

制备和贮存

稳定性和存储

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 6% Urea, 0.03% DTT, 83% Tris HCI, 10% Glycerol (glycerin, glycerine)

常规信息

功能

Regulatory component of the cyclin D2-CDK4 (DC) complex that phosphorylates and inhibits members of the retinoblastoma (RB) protein family including RB1 and regulates the cell-cycle during G(1)/S transition. Phosphorylation of RB1 allows dissociation of the transcription factor E2F from the RB/E2F complex and the subsequent transcription of E2F target genes which are responsible for the progression through the G(1) phase. Hypophosphorylates RB1 in early G(1) phase. Cyclin D-CDK4 complexes are major integrators of various mitogenenic and antimitogenic signals. Also substrate for SMAD3, phosphorylating SMAD3 in a cell-cycle-dependent manner and repressing its transcriptional activity. Component of the ternary complex, cyclin D2/CDK4/CDKN1B, required for nuclear translocation and activity of the cyclin D-CDK4 complex.

序列相似性

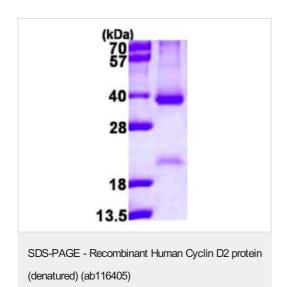
Belongs to the cyclin family. Cyclin D subfamily.

Contains 1 cyclin N-terminal domain.

细胞定位

Nucleus. Cytoplasm. Membrane. Cyclin D-CDK4 complexes accumulate at the nuclear membrane and are then translocated into the nucleus through interaction with KIP/CIP family members.

图片



3ug Cyclin D2 protein. 15% SDS-PAGE

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