

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 MGS HMELLCH EVDPVRR AVR DRNLLRDDR V LQNLLTIEER YLPQCSYFKC VQKDIQPYMR RMVATWMLEV CEEQKCEEEV FPLAMNYLDR FLAGVPTPKS HLQLLGAVCM FLASKLKETS PLTAEKLCIY TDNSIKPQEL LEWELVVLGK LKWNLA AVTP HDFIEHILRK LPQQR EKLSL 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

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 HCl, 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 mitogenic 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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