

Recombinant human Cdk4 + Cyclin D1 protein ab55695

6 References [2 图像](#)

描述

产品名称	重组人Cdk4 + Cyclin D1蛋白
生物活性	Specific Activity is lot specific. Please contact our technical team to get lot specific information.
纯度	> 75 % Densitometry. Affinity purified.
表达系统	Baculovirus infected Sf9 cells
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
标签	GST tag N-Terminus
额外的序列信息	MW: Cdk4 = 57 kDa and CyclinD1 = 61 kDa.

技术指标

Our **Abpromise guarantee** covers the use of **ab55695** in the following tested applications.

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

应用	Western blot Functional Studies
形式	Liquid
补充说明	14nmol/min/mg using protein substrate Rb (773-928). ab56270 (Human Rb protein fragment) can be utilized as a substrate for assessing Kinase activity

制备和贮存

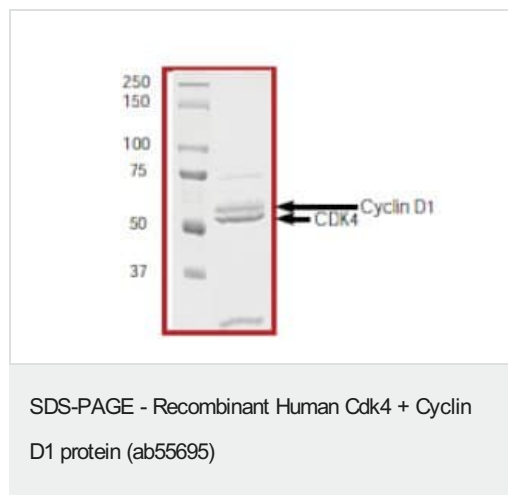
稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.00174% PMSF, 0.00385% (R*,R*)-1,4-Dimercaptobutan-2,3-diol, 0.79% Tris HCl, 0.00292% EDTA, 25% Glycerol (glycerin, glycerine), 0.88% Sodium chloride, 0.31% Glutathione
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This product is an active protein and may elicit a biological response in vivo, handle with caution.

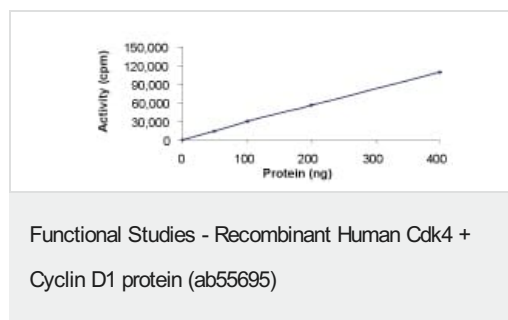
常规信息

相关性	CDK4 is a member of the cyclin-dependent protein kinase family and is involved in the control of cell proliferation during the G1 phase. Phosphorylation at Thr-172 is necessary for enzymatic activity. CDK4 mutations are involved in tumor formation, with defects in CDK4 resulting in cutaneous malignant melanoma 3 (CMM3). Cyclin D1 is essential for the control of the cell cycle at the G1/S transition. It interacts with the CDK4 and CDK6 protein kinases to form a serine/threonine kinase holoenzyme complex. The cyclin subunit imparts substrate specificity to the complex.
细胞定位	Nuclear

图片



SDS-PAGE analysis of ab55695 with molecular weight markers.
Approximate molecular weights: 57kDa (CDK4)/61kDa (CyclinD1).



Kinase assay using ab55695 using protein substrate Rb. The specific activity of CDK4/CyclinD1 is 14 nmol/min/mg.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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