Datasheet for ABIN7504963

CDK4 Protein (AA 2-303) (His tag)

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Overview

Quantity:	100 µg
Target:	CDK4
Protein Characteristics:	AA 2-303
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDK4 protein is labelled with His tag.
Application:	Immunogen (Imm)

Product Details

Sequence:	Ala2-Glu303
Characteristics:	A DNA sequence encoding the Human CDK4 (P11802-1) (Ala2-Glu303) was expressed with a polyhistidine tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	CDK4
Alternative Name:	CDK4 (CDK4 Products)
Background:	Abbreviation: CDK4 Target Synonym: Cdk 4,cdk4,CDK4 protein,CDK4,Cell division kinase 4,Cell division protein kinase 4,CMM 3,CMM3,Crk3,Cyclin dependent kinase 4,Cyclin-dependent kinase 4,Melanoma

Target Details

	cutaneous malignant 3,MGC14458,p34 cdk4,PSK J3,PSK-J3 Background: The protein encoded by this gene is a member of the Ser/Thr protein kinase family. This protein is highly similar to the gene products of S. cerevisiae cdc28 and S. pombe cdc2. It is a catalytic subunit of the protein kinase complex that is important for cell cycle G1 phase progression. The activity of this kinase is restricted to the G1-S phase, which is controlled by the regulatory subunits D-type cyclins and CDK inhibitor p16(INK4a). This kinase was shown to be responsible for the phosphorylation of retinoblastoma gene product (Rb). Mutations in this gene as well as in its related proteins including D-type cyclins, p16(INK4a) and Rb were all found to be associated with tumorigenesis of a variety of cancers. Multiple polyadenylation sites of this gene have been reported.
Molecular Weight:	Calculated MW: 33.5 kDa Observed MW: 35.8 kDa
UniProt:	P11802-1
Pathways:	Cell Division Cycle, Mitotic G1-G1/S Phases, Regulation of Cell Size

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	used as Immunogen for (ABIN6999859)
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	12 months

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