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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

CDK4 (Human) Recombinant Protein

Catalog Number: P9606

Regulation Status: For research use only (RUO)

Product Description: Human CDK4 (P11802, 1 a.a. - 303 a.a.) full recombinant protein with His tag at N-terminus expressed in *Escherichia coli*.

Sequence:

MGSSHHHHHSSGLVPRGSHMGSMATSRYPVAEIG
VGAYGTVYKARDPHSGHFVALKSVRVPNGGGGGGGL
PISTVREVALLRRLEAFEHPNVRLMDVCATSRTDREI
KVTLVFEHVDQDLRTYLDKAPPPGLPAETIKDLMRQFL
RGLDFLHANCIVHRDLKPENILVTSGGTVKLADFGLARI
YSYQMALTPVVVTLWYRAPEVLLQSTYATPVDMWVS
GCIFAEMFRRKPLFCGNSEADQLGKIFDLIGLPPEDDW
PRDVS LPRGAFPPRGPRPVQSVPEMEESGAQLLE
MLTFNPHKRI SAFRALQHSYLHKDEGNPE

Host: *Escherichia coli*

Theoretical MW (kDa): 38

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product
page for detailed protocols

Form: Liquid

Preparation Method: *Escherichia coli* expression
system

Purity: > 95.0% by SDS-PAGE

Recommend Usage: Biological Activity

SDS-PAGE

The optimal working dilution should be determined by
the end user.

Storage Buffer: In 10mM Bis-Tris Propane pH9.0 (50%
Glycerol)

Storage Instruction: Store at 2°C to 8°C for 1 week.
For long term storage, aliquot and store at -20°C to
-80°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 1019

Gene Symbol: CDK4

Gene Alias: CMM3, MGC14458, PSK-J3

Gene Summary: 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. [provided by RefSeq]