



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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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  
VGAYGTVYKARDPHSGHFVALKSVRVPNGGGGGGGGL  
PISTVREVALLRLEAFEHPNVRLMDVCATSRTDREI  
KVTLVFEHVDQDLRTYLDKAPPPGLPAETIKDLMRQFL  
RGLDFLHANCIVHRDLKPENILVTSGGTVKLADFGLARI  
YSYQMALTPVVVTLWYRAPEVLLQSTYATPVDMWSV  
GCIFAEMFRRKPLFCGNSEADQLGKIFDLIGLPPEDDW  
PRDVS LPRGAFPPRGPRPVQSVPEMEESGAQLLLE  
MLTFNPHKRISAFRALQHSYLHKDEGNPE

**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]