



# 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

### CDKN1B (Human) Recombinant Protein

**Catalog Number:** P9611

**Regulation Status:** For research use only (RUO)

**Product Description:** Human CDKN1B (P46527, 1 a.a. - 198 a.a.) full recombinant protein with His tag at N-terminus expressed in *Escherichia coli*.

**Sequence:**

MGSSHHHHHSSGLVPRGSHMSNVRVSNNGSPSLER  
MDARQAHPKPSACRNLFQVDFHEELTRDLEKHCRD  
MEEASQRKWNFDFQNHKPLEGKYEWQEVEKGSLEPF  
YYRPPRPPKGACKVPAQESQDVSGSRPAAPLIGAPAN  
SEDTHLVDPKTDPSDSQTGLAEQCAGIRKRPATDDSS  
TQNKRANRTEENVSDGSPNAGSVEQTPKKPGLRRRQ  
T

**Host:** *Escherichia coli*

**Theoretical MW (kDa):** 24.2

**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:** > 90.0% by SDS-PAGE

**Recommend Usage:** Biological Activity  
SDS-PAGE  
The optimal working dilution should be determined by  
the end user.

**Storage Buffer:** In 20mM Tris-HCl pH 8.0 (20%  
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:** 1027

**Gene Symbol:** CDKN1B

**Gene Alias:** CDKN4, KIP1, MEN1B, MEN4, P27KIP1

**Gene Summary:** This gene encodes a cyclin-dependent kinase inhibitor, which shares a limited similarity with CDK inhibitor CDKN1A/p21. The encoded protein binds to and prevents the activation of cyclin E-CDK2 or cyclin D-CDK4 complexes, and thus controls the cell cycle progression at G1. The degradation of this protein, which is triggered by its CDK dependent phosphorylation and subsequent ubiquitination by SCF complexes, is required for the cellular transition from quiescence to the proliferative state. [provided by RefSeq]