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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

CDK2 (Human) Recombinant Protein

Catalog Number: P9395

Regulation Status: For research use only (RUO)

Product Description: Human CDK2 (P24941, 1 a.a. - 298 a.a.) partial recombinant protein with His tag at C-terminus expressed in *Escherichia coli*.

Sequence:

MENFQKVEKIGEGTYGVVYKARNKLTGEVVALKKIRLD
TETEGVPSTAIRESLLKELNHPNIVKLLDVIHTENKLYL
VFEFLHQDLKKFMDASALTGIPLPLIKSYLQLLQGLAF
CHSHRVLHRDLKPQNLLINTEGAIKLADFLARAFGVP
VRTYTHEVVTLWYRAPEILLGCKYYSTAVDIWSLGCIF
AEMVTRRALFPGDSEIDQLFRIFRTLGPDEVVWPGVT
SMPDYKPSFPKWARQDFSKVVPPLDEDGRSLLSQML
HYDPNKRISAKAALAHPPFQDVTKPVPHLRLLEHHHHH
H.

Host: *Escherichia coli*

Theoretical MW (kDa): 35

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 20mM Tris-HCl pH 8.0 (1 mM DTT
and 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: 1017

Gene Symbol: CDK2

Gene Alias: p33(CDK2)

Gene Summary: The protein encoded by this gene is a member of the Ser/Thr protein kinase family. This protein kinase is highly similar to the gene products of *S. cerevisiae* cdc28, and *S. pombe* cdc2. It is a catalytic subunit of the cyclin-dependent protein kinase complex, whose activity is restricted to the G1-S phase, and essential for cell cycle G1/S phase transition. This protein associates with and regulated by the regulatory subunits of the complex including cyclin A or E, CDK inhibitor p21Cip1 (CDKN1A) and p27Kip1 (CDKN1B). Its activity is also regulated by its protein phosphorylation. Two alternatively spliced variants and multiple transcription initiation sites of this gene have been reported. [provided by RefSeq]