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See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

CDKN1A (Human) Recombinant Protein

Catalog Number: P9610

Regulation Status: For research use only (RUO)

Product Description: Human CDKN1A (P38936, 1 a.a. - 164 a.a.) full recombinant protein with His tag at N-terminus expressed in *Escherichia coli*.

Sequence:
MGSSHHHHHHSSGLVPRGSHMSEPAGDVRQNPCGS
KACRRLFGPVDSEQLSRDCDALMAGCIQEARERWNF
DFVTETPLEGDFAWERVRGLGLPKLYLPTGPRRGRDE
LGGGRRPGTSPALLQGTAEEDHVDLSLSCTLVPRSGE
QAEGSPGGPGDSQGRKRRQTSMTDFYHSKRRLIFSK
RKP

Host: Escherichia coli

Theoretical MW (kDa): 20.2

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: > 85.0% 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 (2 M Urea, 0.1 M NaCl and 10% 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: 1026

Gene Symbol: CDKN1A

Gene Alias: CAP20, CDKN1, CIP1, MDA-6, P21, SDI1, WAF1, p21CIP1

Gene Summary: This gene encodes a potent cyclin-dependent kinase inhibitor. The encoded protein binds to and inhibits the activity of cyclin-CDK2 or -CDK4 complexes, and thus functions as a regulator of cell cycle progression at G1. The expression of this gene is tightly controlled by the tumor suppressor protein p53, through which this protein mediates the p53-dependent cell cycle G1 phase arrest in response to a variety of stress stimuli. This protein can interact with proliferating cell nuclear antigen (PCNA), a DNA polymerase accessory factor, and plays a regulatory role in S phase DNA replication and DNA damage repair. This protein was reported to be specifically cleaved by CASP3-like caspases, which thus leads to a dramatic activation of CDK2, and may be instrumental in the execution of apoptosis following caspase activation. Two alternatively spliced variants, which encode an identical protein, have been reported. [provided by RefSeq]