

Recombinant Rat Cdkn1a protein, His & T7-tagged

Cat. No. Cdkn1a-1251R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Cdkn1a aa. (Met1~Pro164 (Accession # Q64315) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Met1~Pro164
Description	A Cdk inhibitor; involved in negative regulation of the cell cycle.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 22.0kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 9.3.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein

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at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

Storage buffer

Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.

Reconstitution

Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name

Cdkn1a cyclin-dependent kinase inhibitor 1A [Rattus norvegicus (Norway rat)]

Official Symbol

Cdkn1a

Synonyms

Cdkn1a; cyclin-dependent kinase inhibitor 1A; Cip1; UV96; Waf1; cyclin-dependent kinase inhibitor 1; cyclin-dependent kinase inhibitor 1A (P21); cyclin-dependent kinase inhibitor 1A (p21, Cip1)

Gene ID

114851

mRNA Refseq

NM_080782.3

Protein Refseq

NP_542960.1

UniProt ID

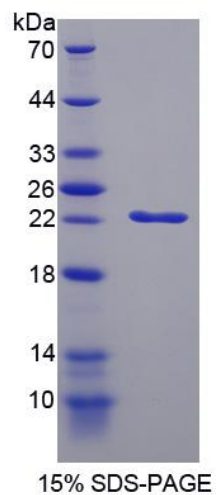
Q64315

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SDS-PAGE



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