

## Datasheet for ABIN6699769 **CDKN2D Protein (GST tag)**



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### Overview

Quantity:	20 µg
Target:	CDKN2D
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDKN2D protein is labelled with GST tag.
Application:	Western Blotting (WB)

### Product Details

Purpose:	p19INK4D recombinant protein-GST fusion protein
Purification:	Recombinant full-length human p19INK4D was expressed in E. coli cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >90% by densitometry.
Purity:	>90%

### Target Details

Target:	CDKN2D
Alternative Name:	CDKN2D ( <a href="#">CDKN2D Products</a> )
Background:	Synonyms: CDKN2D, p19, INK4D, p19-INK4D, Cyclin-dependent kinase 4 inhibitor D, p19-INK4D Background: p19INK4D protein is associated with CDK6 in several hematopoietic cell lines. It has been demonstrated that p19INK4D expression enhances cell survival under genotoxic

## Target Details

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conditions (1). By using p19INK4D-overexpressing cells, it has been demonstrated that p19INK4D expression correlates with the cellular resistance to UV treatment with increased DNA repair activity against UV-induced lesions. p19INK4D regulates protein network that integrate DNA repair, apoptosis and checkpoint mechanisms in order to maintain the genomic integrity (2). p19INK4D Protein is ideal for investigators involved in Signaling Proteins, Cell Cycle Proteins, Cancer, and Cell Cycle research.

NCBI Accession: [NM\\_001800](#)

Pathways: [Cell Division Cycle](#), [Sensory Perception of Sound](#), [Mitotic G1-G1/S Phases](#), [Negative Regulation of intrinsic apoptotic Signaling](#)

## Application Details

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Application Notes: Western\_Blot\_Dilution: User Optimized  
Other: Kinase Assay-User Optimized  
Application\_Note: p18INK4D Protein is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~44 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 0.2 µg/µL

Buffer: p18INK4D Protein is stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.

Storage: -80 °C

Storage Comment: Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Expiry Date: 12 months