

[Go to Product page](#)

Datasheet for ABIN6699771 **CDKN3 Protein (GST tag)**

Overview

Quantity:	20 µg
Target:	CDKN3
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDKN3 protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	CDKN3 recombinant protein-GST fusion protein
Purification:	Recombinant full-length human CDKN3 was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >90% by densitometry.
Purity:	>90%

Target Details

Target:	CDKN3
Alternative Name:	CDKN3 (CDKN3 Products)
Background:	Synonyms: CDI1, CIP2, FLJ25787, KAP, KAP1, MGC70625, Cyclin-dependent kinase inhibitor 3, CDK2-associated dual-specificity phosphatase, Cyclin-dependent kinase interactor 1 , Cyclin-dependent kinase-interacting protein 2, Kinase-associated phosphatase

Target Details

Background: CDKN3 is a member of the dual specificity protein phosphatase family that acts as a cyclin-dependent kinase inhibitor (1). CDKN3 has been shown to interact with and dephosphorylate specifically the CDK2 kinase thereby preventing its activation. CDKN3 has been reported to be deleted, mutated, or overexpressed in several kinds of cancers. Increased expression of CDKN3 leads to increased levels of kinase-associated phosphatase activity that inhibits the G(1)/S transition of the cell cycle by dephosphorylating the cyclin-dependent kinases (2). CDKN3 Protein is ideal for investigators involved in Signaling Proteins, Cell Cycle Proteins, Cancer, Cell Cycle, and Ser/Thr Kinases research.

NCBI Accession: [NM_005192](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Application_Note: CDKN3 Protein is suitable for use in Western Blot. Expect a band approximately ~ 51 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.2 µg/µL

Buffer: CDKN3 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