

Datasheet for ABIN6699767 **CDKN2C Protein (GST tag)**



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Overview

Quantity:	20 µg
Target:	CDKN2C
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDKN2C protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	p18INK4C recombinant protein-GST fusion protein
Purification:	Recombinant full-length human p18INK4C 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:	CDKN2C
Alternative Name:	CDKN2C (CDKN2C Products)
Background:	Synonyms: CDKN2C, p18, INK4C, p18-INK4C, Cyclin-dependent kinase 4 inhibitor C, Cyclin-dependent kinase 6 inhibitor, p18-INK4c, p18-INK6 Background: p18INK4C is a member of the INK4 family of proteins that regulate the G1 to S cell

Target Details

cycle transition by binding to and inhibiting the pRb kinase activity of cyclin-dependent kinases 4 and 6 (1). Mutation of p18INK4C impairs B-cell terminal differentiation and confers increased susceptibility to tumor development. p18INK4C can function as a tumor suppressor gene in Hodgkins lymphoma and its inactivation may contribute to the cell cycle deregulation and defective terminal differentiation characteristic of the Reed-Sternberg cells (2). p18INK4C Protein is ideal for investigators involved in Signaling Proteins, Cell Cycle Proteins, Cancer, and Cell Cycle research.

NCBI Accession: [NM_001262](#)

Pathways: [Cell Division Cycle](#), [Mitotic G1-G1/S Phases](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Other: Kinase Assay-User Optimized
Application_Note: p18INK4C Protein is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~42 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: p18INK4C 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