

Human CDKN2C Knockdown Cell Lysate

Cat. No. CDKN2C-333HKCL Lot. No. (See product label)

SPECIFICATION

Product Overview WB-validated CDKN2C Knockdown HeLa Cell Lysate

Species Human

Source HeLa

Description

The protein encoded by this gene is a member of the INK4 family of cyclin-dependent kinase inhibitors. This protein has been shown to interact with CDK4 or CDK6, and prevent the activation of the CDK kinases, thus function as a cell growth regulator that controls cell cycle G1 progression. Ectopic expression of this gene was shown to suppress the growth of human cells in a manner that appears to correlate with the presence of a wild-type RB1 function. Studies in the knockout mice suggested the roles of this gene in regulating spermatogenesis, as well as in suppressing tumorigenesis. Two alternatively spliced transcript variants of this gene, which encode an identical protein, have been reported.

Form Cell-Tissue Lysis buffer

Molecular Mass 18 kDa

Notes

Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.

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Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg CDKN2C KD HeLa cell lysate
Protein Families	Druggable Genome
Protein Pathways	Cell cycle
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	CDKN2C cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4) [Homo sapiens (human)]
Official Symbol	CDKN2C
Synonyms	CDKN2C; cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4); cyclin-dependent kinase 4 inhibitor C; INK4C; p18; p18-INK6; CDK6 inhibitor p18; cyclin-dependent inhibitor; cyclin-dependent kinase 6 inhibitor p18; p18-INK4C;
Gene ID	1031
mRNA Refseq	NM_001262
Protein Refseq	NP_001253

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MIM	603369
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UniProt ID	P42773
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