

Recombinant Human CDKN2C, T7-tagged

Cat. No. CDKN2C-3049H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CDKN2C was produced in <i>E.coli</i> with a T7 tag at N-terminus. MW = 18127 Da (1-168 aa).
Species	Human
Source	E.coli
Protein Length	1-168 a.a.
Description	Cyclin-dependent kinase 4 inhibitor C is an enzyme that in humans is encoded by the CDKN2C gene. 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	10 mM Tris. pH 8.0. 0.1% Triton X-100. 0.002% NaN ₃ .
Purity	95%.
Applications	MS. SDS.

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GENE INFORMATION

Gene Name	CDKN2C cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4) [Homo sapiens]
Synonyms	CDKN2C; cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4); p18; INK4C; p18-INK4C; cyclin-dependent kinase inhibitor 2C; CDK6 inhibitor p18; OTTHUMP00000009731; cyclin-dependent inhibitor; cyclin-dependent kinase 4 inhibitor C; cyclin-dependent kinase 6 inhibitor p18; CDKN6; OTTHUMP00000009730; OTTHUMP00000046546; p18-INK4c; p18-INK6; Cyclin-dependent kinase 6 inhibitor
Gene ID	1031
mRNA Refseq	NM_001262
Protein Refseq	NP_001253
MIM	603369
UniProt ID	P42773
Chromosome Location	1p32
Pathway	Cell cycle
Function	cyclin-dependent protein kinase inhibitor activity; protein binding; protein kinase binding

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