Recombinant Human CDKN2C

Cat. No. CDKN2C-30052TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human p18 INK4c with N-terminal proprietary tag, MWt 42kDa.
Species	Human
Source	E.coli
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.
Tissue specificity	Highest levels found in skeletal muscle. Also found in pancreas and heart.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM PMSF, pH 7.5

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence Similarities	Belongs to the CDKN2 cyclin-dependent kinase inhibitor family.Contains 4 ANK repeats.
Full Length	Full L.

GENE INFORMATION

Gene Name	CDKN2C cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4) [Homo sapiens]
Official Symbol	CDKN2C
Synonyms	CDKN2C; cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4); cyclin-dependent kinase 4 inhibitor C; INK4C; p18;
Gene ID	1031
mRNA Refseq	NM_001262
Protein Refseq	NP_001253
MIM	603369
Uniprot ID	P42773
Chromosome Location	1p32.3
Pathway	Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; Cyclin D associated events in G1,

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	organism-specific biosystem; E2F transcription factor network, organism-specific biosystem;
Function	cyclin-dependent protein kinase inhibitor activity; protein kinase binding;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA