

## Product datasheet for **TP314412M**

### p18 INK4c (CDKN2C) (NM\_078626) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4) (CDKN2C), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC214412 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MAEPWGNELASAAARGDLEQLTSLLQNNVNVNAQNGFGRTALQVMKLGNPFIARRLLLLRGANPDLKDRTG  
FAVIHDAARAGFLDTLQTLLEFQADVNIEDNEGNLPLHLAAKEGHLRWVEFLVKHTASNVGHRNHKGDTA  
CDLARLYGRNEVSLMQANGAGGATNLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	17.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_523240</a>
Locus ID:	1031
UniProt ID:	<a href="#">P42773</a> , <a href="#">Q6ICV4</a>



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RefSeq Size: 1273

Cytogenetics: 1p32.3

RefSeq ORF: 504

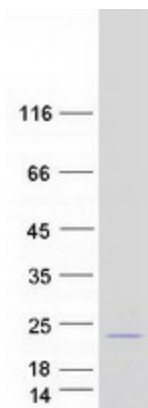
Synonyms: INK4C; p18; p18-INK4C

**Summary:** 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome

**Protein Pathways:** Cell cycle

### Product images:



Coomassie blue staining of purified CDKN2C protein (Cat# [TP314412]). The protein was produced from HEK293T cells transfected with CDKN2C cDNA clone (Cat# [RC214412]) using MegaTran 2.0 (Cat# [TT210002]).