

Product datasheet for PH314412

p18 INK4c (CDKN2C) (NM_078626) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CDKN2C MS Standard C13 and N15-labeled recombinant protein (NP_523240)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214412
Predicted MW:	18.1 kDa
Protein Sequence:	>RC214412 protein sequence Red=Cloning site Green=Tags(s) MAEPWGNELASAAARGDLEQLTSLQNNVNVNAQNGFGRTALQVMKLGNPEIARRLLLRGANPDLKDRGTG FAVIHDAARAGFLDTLQTLLEFQADVNIEDNEGNLPLHLAAKEGHLRVVEFLVKHTASNVGHRNHKGDTA CDLARLYGRNEVVSMLMQANGAGGATNLQ TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_523240
RefSeq Size:	1273
RefSeq ORF:	504
Synonyms:	INK4C; p18; p18-INK4C
Locus ID:	1031
UniProt ID:	P42773 , Q6ICV4



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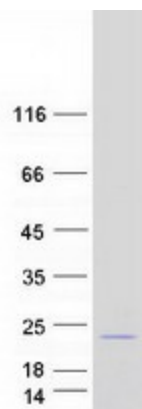
Cytogenetics: 1p32.3

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]).