

Product datasheet for PH301155

p19 INK4d (CDKN2D) (NM_079421) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CDKN2D MS Standard C13 and N15-labeled recombinant protein (NP_524145)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201155
Predicted MW:	17.7 kDa
Protein Sequence:	>RC201155 protein sequence Red=Cloning site Green=Tags(s) MLLEEVRAGDRLSGAAARGDVQEVRRLLHRELVHPDALNRFGKTALQVMMFGSTAI ALELLKQGASPNVQ DTSGTSPVHDAARTGFLDTLKVLEHGADVNVDPGTGALPIHLAVQEGHTAVVSFLAAESDLHRRDARGL TPLELALQRGAQDLVDILQGHMVAPL 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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	<u>NP_524145</u>
RefSeq Size:	1162
RefSeq ORF:	498
Synonyms:	INK4D; p19; p19-INK4D
Locus ID:	1032
UniProt ID:	<u>P55273</u> , <u>A0A024R796</u>



[View online »](#)

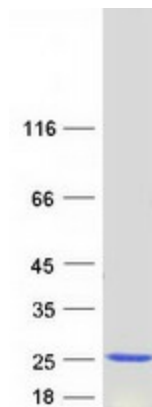
Cytogenetics: 19p13.2

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 form a stable complex 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. The abundance of the transcript of this gene was found to oscillate in a cell-cycle dependent manner with the lowest expression at mid G1 and a maximal expression during S phase. The negative regulation of the cell cycle involved in this protein was shown to participate in repressing neuronal proliferation, as well as spermatogenesis. Two alternatively spliced 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 CDKN2D protein (Cat# [TP301155]). The protein was produced from HEK293T cells transfected with CDKN2D cDNA clone (Cat# [RC201155]) using MegaTran 2.0 (Cat# [TT210002]).