

Product datasheet for TP314065

p19 INK4d (CDKN2D) (NM_001800) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4) (CDKN2D), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC214065 representing NM_001800 Red=Cloning site Green=Tags(s)
	MLLEEVRAGDRLSGAAARGDVQEVRRLLHRELHPDALNRFGKTALQVMMFGSTAIALELLKQGASPNVQ DTSGTSPVHDAARTGFLDTLKVLEHGADVNPDPGTGALPIHLAVQEGHTAVVSFLAAESDLHRRDARGL TPLELALQRGAQDLVDILQGHMVAPL
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	17.5 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:	<u>NP_001791</u>
Locus ID:	1032
UniProt ID:	<u>P55273</u> , <u>A0A024R796</u>



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RefSeq Size: 1416

Cytogenetics: 19p13.2

RefSeq ORF: 498

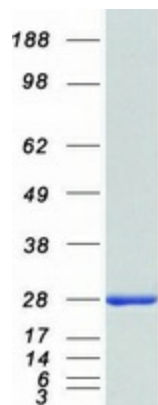
Synonyms: INK4D; p19; p19-INK4D

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# TP314065). The protein was produced from HEK293T cells transfected with CDKN2D cDNA clone (Cat# [RC214065]) using MegaTran 2.0 (Cat# [TT210002]).