

Product datasheet for RC214065

p19 INK4d (CDKN2D) (NM_001800) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	p19 INK4d (CDKN2D) (NM_001800) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	p19 INK4d
Synonyms:	INK4D; p19; p19-INK4D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC214065 representing NM_001800 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCTGGAGGAGTTTCGCGCCGGCACC GGCTGAGTGGGGCGCGGCCCGGGGCGACGTGCAGGAGG
TGCGCCGCTTCTGCACCGGAGCTGGTGCATCCCGACGCCCTCAACCGCTTCGGCAAGACGGCGTCA
GGTCATGATGTTGGCAGCACC GCCATCGCCCTGGAGTCTGCTGAAGCAAGGTGCCAGCCCAATGTCCAG
GACACCTCCGGTACCAGTCCAGTCCATGACGCAGCCCGCACTGGATTCTGGACACCTGAAGGTCTAG
TGGAGCACGGGGCTGATGTCAACGTGCCTGATGGCACC GGCCACTTCCAATCCATCTGGCAGTTCAAGA
GGGTCACTGCTGTGGTCAGCTTCTGGCAGCTGAATCTGATCTCCATCGCAGGACGCCAGGGGTCTC
ACACCCTTGGAGCTGGCACTGCAGAGAGGGCTCAGGACCTCGTGGACATCTGCAGGGCCACATGGTGG
CCCCGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC214065 representing NM_001800 Red=Cloning site Green=Tags(s)
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MLLEEVRAGDRLSGAAARGDVQEVRRLLHRELVHPDALNRFGKTALQVMMFGSTAI ALELLKQGASPNVQ
DTSGETSPVHDAARTGFLDTLKVLEHGADVNP DGTGALPIHLAVQEHTAVVSFLAAESDLHRRDARGL
TPLELALQRGAQDLVDIILQGHMVAPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:	https://cdn.origene.com/chromatograms/mk6036_a11.zip
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Cytogenetics: 19p13.2

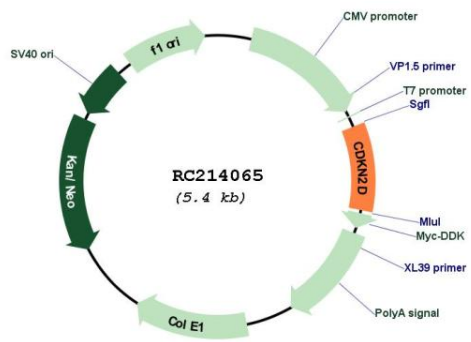
Protein Families: Druggable Genome

Protein Pathways: Cell cycle

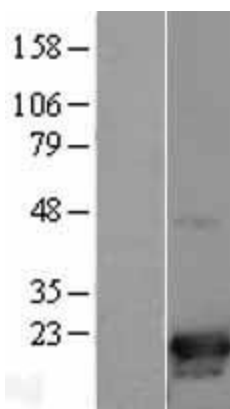
MW: 17.5 kDa

Gene 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]

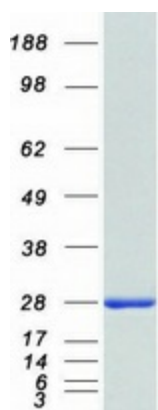
Product images:



Circular map for RC214065



Western blot validation of overexpression lysate (Cat# [LY400682]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC214065 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



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]).