

## Product datasheet for **RC201155L4V**

### **p19 INK4d (CDKN2D) (NM\_079421) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	p19 INK4d (CDKN2D) (NM_079421) Human Tagged ORF Clone Lentiviral Particle
Symbol:	p19 INK4d
Synonyms:	INK4D; p19; p19-INK4D
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_079421
ORF Size:	498 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201155).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_079421.2</a> , <a href="#">NP_524145.1</a>
RefSeq Size:	1162 bp
RefSeq ORF:	501 bp
Locus ID:	1032
UniProt ID:	<a href="#">P55273</a>
Cytogenetics:	19p13.2
Protein Families:	Druggable Genome
Protein Pathways:	Cell cycle



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MW: 17.7 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]