

Product datasheet for **MR201381L4V**

Cdkn2c (NM_007671) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Cdkn2c (NM_007671) Mouse Tagged ORF Clone Lentiviral Particle |
| Symbol: | Cdkn2c |
| Synonyms: | C77269; INK; INK4c; p1; p18; p18-INK4c; p18-INK6; p18IN; p18INK4c |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_007671 |
| ORF Size: | 507 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR201381). |
| 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. More info |
| 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: | NM_007671.2 |
| RefSeq Size: | 1134 bp |
| RefSeq ORF: | 507 bp |
| Locus ID: | 12580 |
| UniProt ID: | Q60772 |
| Cytogenetics: | 4 51.32 cM |



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Gene Summary:

The protein encoded by this gene is a member of the INK4 family of cyclin-dependent kinase (cdk) inhibitors, and contains five ankyrin repeats. This protein interacts with both Cdk4 and Cdk6 to inhibit their kinase activities, and prevent their interactions with D-type cyclins, thereby negatively regulating cell division. This gene is differentially expressed in a variety of tissues, and is cell cycle regulated. Deletion of this gene can lead to tumor growth. Maximal expression is observed at the G2/M phase. Alternative splicing and promoter usage results in multiple transcript variants. [provided by RefSeq, Aug 2014]