

Product datasheet for **MC226039**

Cdkn2c (NM_001301368) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdkn2c (NM_001301368) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdkn2c
Synonyms:	C77269; INK; INK4c; p1; p18; p18-INK4c; p18-INK6; p18IN; p18INK4c
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC226039 representing NM_001301368 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGAGCCTTGGGGAACGAGTTGGCGTCCGCAGCTGCCAGGGGGACCTAGAGCAACTTACTAGTT
TGTTGCAAATAATGTAACGCTCAACGCTCAAATGGATTTGGGAGAAGCTGCGCTGCAGGTTATGAACT
TGGAAATCCGGAGATTGCCAGGAGGCTTCTCCTCAGAGGTGCTAATCCCAATTTGAAAGATGGAAGTGGT
TTTGTGTCATTCATGATGCTGCCAGAGCAGGTTTCTGGACACTGTACAGGCTTTGCTGGAGTTCCAGG
CTGATGTTAACATTGAAGATAATGAAGGGAACCTGCCCTTGCACTTGGCTGCCAAAGAAGGCCACCTCCC
TGTGGTGGAGTTCCTTATGAAGCACACAGCCTGCAATGTGGGGCATCGGAACCATAAGGGGGACACCGCC
TTCGACTTGCCAGGTTCTATGGAAGAAATGAGGTCATTAGCCTGATGGAGGCAAATGGGTTGGGGGAG
CCACAAGCCTGCAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001301368
Insert Size:	507 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001301368.1 , NP_001288297.1
RefSeq Size:	2066 bp
RefSeq ORF:	507 bp
Locus ID:	12580
UniProt ID:	Q60772
Cytogenetics:	4 51.32 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1, also known as p18(L)) represents the longer transcript. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>