

Product datasheet for **RR206662**

Cdkn2c (NM_131902) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cdkn2c (NM_131902) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cdkn2c
Synonyms: p18
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206662 representing NM_131902
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGAGCCTTGGGGAACGAGTTGGCGTCCGAGCTGCCAGGGGGACCTAGAGCAACTTACTAGTT
TGTTGCAAATAATGTAAACGTCAACGCTCAAAATGGATTGGGAGAAGTGCCTGCAGGTTATGAACT
TGGGAATCCGGAGATTGCCAGGAGACTTCTCCTCAGAGGTGCTAATCCCAATTTGAAAGACCGAAGTGGT
TTTGCTGTCAATCAGATGCTGCCAGAGCAGGTTTCTGGACACTGTACAGGCTTTGCTGGAGTTCCAAG
CTGATGTTAACATCGAAGATAATGAAGGGAACCTGCCCTTGCACTTGGCTGCCAAAGAAGGCCACCTCCC
TGTGGTGGAGTTCCTAATGAAGCACACAGCCTGCAATGTGGGCATCGGAACCATAAGGGGGACACCGCC
TTCGACTTGGCCAGGTTCTATGGAAGAAATGAGGTCATCAGCCTGATGGAGGCGAATGGGGTTGGGGGAG
CCACGAGCCTGCAG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR206662 representing NM_131902
Red=Cloning site Green=Tags(s)

MAEPWGNELASAAARGDLEQLTSLQNNVNVNAQNGFGRALQVMKLGNPEIARRLLLRGANPNLKDRTG
FAVIHDAARAGFLDTVQALLEFQADVNIEDNEGNLPLHLAAKEGHLPVVEFLMKHTACNVGHRNHKGDTA
FDLARFYGRNEVISLMEANGVGGATSLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

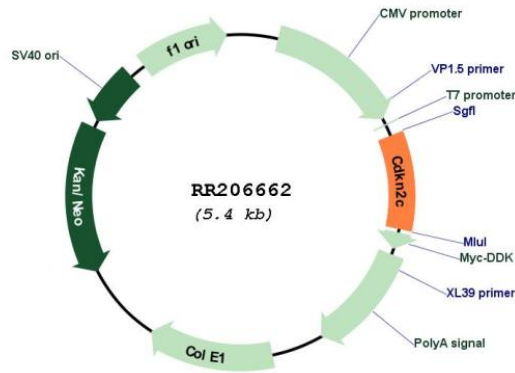
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN:

NM_131902

ORF Size:

504 bp

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.

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:	<u>NM_131902.3</u> , <u>NP_571977.1</u>
RefSeq Size:	1462 bp
RefSeq ORF:	507 bp
Locus ID:	54238
Cytogenetics:	5q35
MW:	18.2 kDa
Gene Summary:	cyclin-dependent kinase inhibitor that may be involved in cell cycle regulation during terminal differentiation of oligodendrocytes [RGD, Feb 2006]