

Product datasheet for **RN206819**

Cdkn2a (NM_031550) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cdkn2a (NM_031550) Rat Untagged Clone
Tag: Tag Free
Symbol: Cdkn2a
Synonyms: Arf; INK4A; MTS1; p16; p16Cdkn2a; p19ARF
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN206819 representing NM_031550
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGTCTCTGCAGATAGACTAGCCAGGGCAGCGGCCCTGGGCCGTGAGCACGAGGTGCGGGCACTGC
 TGGAAAGCCGGGGTTACCAAACGCCCGAACACTTTCGGTCGTACCCCGATACAGGTGATGATGATGGG
 CAACGTCAAAGTGGCAGCTCTCTGCTCTCTATGGTGCAGATTCGAACTGCGAGGACCCACCACCCTC
 TCCCGACCGGTGCACGACGACGCGGGAGGGCTTCTAGACACTCTGGTAGTACTGCACCAGGCAGGGG
 CGCGGCTGGATGTGCGCGATGCCTGGGGTCGCCTGCCGCTCGACCTGGCCCTAGAGCGGGGACATCACGA
 CGTCGTGCGGTATTTGCGGTATCTACTCTCTCCGCTGGGAACGTTTCCCGGGTCACCGACAGGCATAAC
 TTCTGCTCAAGCACGCCAGGTGCCTAGGACTTCGAGGCCAACCCCAAAGCAGCGC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1448_c04.zip
Restriction Sites: Sgfl-Mlul
ACCN: NM_031550
Insert Size: 480 bp



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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).
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_031550.1 , NP_113738.1
RefSeq Size:	707 bp
RefSeq ORF:	480 bp
Locus ID:	25163
UniProt ID:	Q9R0Z3
Cytogenetics:	5q32
Gene Summary:	tumor suppressor that inhibits CDK4; inactivation or loss is associated with cellular transformation; may be involved in CNS degeneration following injury [RGD, Feb 2006]