

Product datasheet for **RN209648**

Cdkn1a (NM_080782) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cdkn1a (NM_080782) Rat Untagged Clone
Tag: Tag Free
Symbol: Cdkn1a
Synonyms: Cip1; UV96; Waf1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN209648 representing NM_080782
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCCGATCCTGGTGATGTCCGACCTGTCCACACAGGAGCAAAGTATGCCGTCGTCTGTTCCGGTCCCG
TGGACAGTGAGCAGTTGAGCCGCGATTGCGATGCGCTCATGGCGAGCTGTCTCCAGGAGGCCGAGAACG
GTGGAACTTTGACTTCGCCACTGAGACGCCACTGGAGGGCAACTACGTCTGGGAGCGTGTTCGGAGCCCA
GGGCTGCCCAAGATCTACCTGAGCCCTGGGTCCC GCCCGCGTGATGACCTGGGAGGGGACAAGAGGCCCA
GTACCTCCTCGGCCCTGCTGCAGGGGCCAGGGCCAGCTCCGGAGGACCACGTGGCCTTGTGCTGTCTTG
CACTCTGGTGTCTCACGCCCTGAGAGGCCTGAAGACTCCCCGGGCGGGACCGGGACATCTCAGGGCCGA
AAACGGAGGCAGACCAGCCTAACAGATTCTATCACTCCAAGCGCGGATTGGTCTTCTGCAAGAGAAAGC
CCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_080782
Insert Size: 495 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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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_080782.3</u> , <u>NP_542960.1</u>
RefSeq Size:	1894 bp
RefSeq ORF:	495 bp
Locus ID:	114851
Cytogenetics:	20p12
Gene Summary:	a Cdk inhibitor; involved in negative regulation of the cell cycle [RGD, Feb 2006]