

Product datasheet for **MC219094**

Cdkn2aip (NM_172407) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdkn2aip (NM_172407) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdkn2aip
Synonyms:	4921511I16Rik; AW208986; CARF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219094 representing NM_172407
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGCGCAGGAGGTGTCGAGTACCTGAGCCAAAACCCGCGGTAGCCGCCTGGGTGGAGACGCTGCGCT
 GCGAGGGCGAGACGGACAAACACTGGCGCCACCGCCGGGAGTTTCTGCTTCGCAATGCCGGGACCTGGT
 CCCC GCCACCGACGAGACTGCGGACGCGGAGAGCGGAGCCCGCACTCGGCAGCTCCAGCAGCTGGTCTCC
 TTCTCCATGGCCTGGGCGAACCATGTCTTCTAGGGTGCCGTACCCTCAAAAAGTTATGGATAAAATTC
 TTAGTATGGCTGAAGGCATCAAAGTGACAGATGCTCCAATCCATACCACAGAGACGAACTGGTTGCCAA
 GGTGAAGAAAAGAGGGATATCAAGTAGCAATGAAGGGTAGAGGAGCCATCAAAAAACGAGCCGTAGAA
 GGAAAAACAATTCTTCAGTTGAGCGAGATCATGGGAAAAATCTGCCAAAACGGATCGTTCAGCAGCTC
 AGCAAGAAAACAGTTCGCCGTCCAGGGGTCGTCCACCAATCCGAGAGTGGTGGGACCTCAGCTCGGAG
 CAGCTCCAGTGGCTCCCATCAGGATAGCGCCACAAGTGAAGGAGACAGATCTGTGTGCAGCCAGAGCAGC
 AGCAATTCCTCTCAGGTAAACCGAGGGTCTGGAAAGGCTTTGGAGTCAGAAGCTCCACATAAACGTGGTT
 CAGCGTCATTTGTTTCTTCCCTGTTGAAGTCCAGTATGAATAGTCATATGACCCAGTCCACTGATAACAG
 ACAACAGAGTGGGTACCTAAAAGGGTCTCTGGAAGGTTCTTCAGGCTCAGCCTCTCAGAGCAGCTCA
 GAGATTGAGGTGCCCTTGTGGGCTCCTCTGGAAGTGCAGAAAGTAGAGTTGCCATTACTGTCTTGAAGT
 CTAGTTCAGAGACAGCTTCCAGTGGGTTAACATCTAAATCTAGTTCAGAGGCAACATTTTCATCATCAGT
 TTCAAAAAACAGTTCATCGTCAGGCAGCTCTTTACTAACCCCCAGAGCAGTTCACAAAATCCATCGCTG
 CTGACATCCAAAAGCACGGCTCAGGTAGCTGCTTCACTGCTAGCGACCAAAAGTGGCGCTTCCTTAGGAA
 GCGTGTCTCAGCTAGCTGCCAAGAGTGGTCTCAGAGTAGCACTTCACAGTTGCCTTCGAAAAGTACCTC
 CCAGGCCAGTGAGAGTTCTGTCAAGTTTGCTTGTGCGGAAGTTAACCAATGAAGACATAAAACAGAAAGCAA
 CCTTTCTTCAATAGACTGTATAAGACGGTGGCGTGGAAGTTAGTAGCAGTTGGTGGCTTCAGCCCCACTG
 TGAATCACGGAGAGCTGCTGAACGCGGCTATTGAGGCTCTGAAAGCAACACTGGATGTGTTTTTTGTCCC
 ACTGAAAGAACTGGCAGATCTGCCTCAAATAAGAGCTCTCAAGAAAGTATTGTCTGTGAATTGAGGTGT
 AAGTCGGTATATTTGGGCACTGGCTGTGGAAAAAGCAAAGAAACGAAAAGCCGTCGCATCGAGAGAAG
 CACTGAAGTTATTTCTCAAGAAGAAGGTGGTGGTGAAGATCTGTAAGAGGAAGTACCGAGGCAGCGAGAT
 CGAGGATCTAGTACTCTGGATGAAGAAGCAAGACCCGTAACCTACCTCCAGCACTGAAACATCCTCAA
 GAATTACTG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_172407

Insert Size: 1692 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).

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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_172407.3, NP_765995.1</u>
RefSeq Size:	3494 bp
RefSeq ORF:	1692 bp
Locus ID:	70925
UniProt ID:	<u>Q8BI72</u>
Cytogenetics:	8 B1.1
Gene Summary:	Regulates DNA damage response and cell proliferation in a dose-dependent manner through a number of signaling pathways involved in cell proliferation, apoptosis and senescence. [UniProtKB/Swiss-Prot Function]