

Product datasheet for **SC114060**

CDKN2AIP (NM_017632) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDKN2AIP (NM_017632) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDKN2AIP
Synonyms:	CARF
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC114060 sequence for NM_017632 edited (data generated by NextGen Sequencing)

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ATGGCGCAGGAGGTGTCGGAGTACCTGAGCCAGAACCCGCGGGTGGCAGCCTGGGTGGAG
GCGCTGCGCTGCGACGGCGAGACTGACAAACACTGGCGCCACCGCGGGATTTTTTGCTT
CGCAACGCCGGGACCTGGCCCCGCTGGCGGCGCTGCCTCCGCTAGCACGGATGAAGCT
GCCGACGCCGAGAGCGGGACCCGAAACCGGCAGCTGCAGCAGCTCATCTCTTTTCCATG
GCCTGGGCGAACCACGTCTTCTCGGGTGCCGATACCCTCAAAAAGTTATGGATAAAATA
CTTAGTATGGCTGAAGGCATCAAAGTGACAGATGCTCCAACCTATACAACAAGAGATGAA
CTGGTTGCCAAGGTGAAGAAAAGAGGGATATCGAGTAGCAATGAAGGGTGAAGAGCCA
TCAAAAAACGAGTTATAGAAGGAAAAACAGTTCTGCAGTTGAGCAAGATCACGCAAAA
ACCTCTGCCAAGACAGACGTGCATCAGCTCAGCAGGAAAAACAGTTCAACGTGTATAGGG
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TCNNNATCATTTGTTTCTTGCTGAAATCCAGTGTGAATAGTCACATGACCCAATCCACT
GATTCTAGACAACAAAGTGGATCACCTAAAAAGAGTGCTTTGGAAGGCTCTTCAGCCTCA
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GATGAAGAATCGAGGCCTGTAAACTTACCTCCAGCACTAAAACATCCTCAAGAATTACTA
TAA
  
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Clone variation with respect to NM_017632.2
 723 t=>n;724 g=>n;725 c=>n

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_017632 unedited
TACTATAGGGCGGCCGGAATTCGGCACGAGGGGTGCAGCTGTGTTTCGCGGCCTGCAGGC
CCAACATGGCGCAGGAGGTGTGGAGTACCTGAGCCAGAACCCGCGGGTGGCAGCCTGGG
TGGAGGCGCTGCGCTGCGACGGCGAGACTGACAAACACTGGCGCCACCGCCGGGATTTT
TGCTTCGCAACGCCGGGACCTGGCCCCGCTGGCGGCGCTGCCTCCGCTAGCACGGATG
AAGCTGCCGACGCCGAGAGCGGGACCCGAAACCGGCAGCTGCAGCAGCTCATCTCCTTTT
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GTCATCATTTNNGNTTCTTGCTGAAATCCAGTGTGAATAGTCACATGACCCCATCCACTG
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GCTTCTCAAGCAGCTCAAGAAAGCAGGGGCCCTGGGTTGGGCTCTCAGGAGCCTAGAAG
TAAAAATGCCCTATGCCTCCACACCTANTNAGAGCAGTCTTNANGGGTTACCTNCAA
ACATGTCGAAGAGCCAGT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_017632 unedited
GCGGCCGAATCTANAGTCGAGTTTTNTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTGAAAAGGAAAAATAGCTTAAAGCATTTAATATCTAAACAAATCAATCTGTTAAT
AGTAGTCACAAAATATGCTTAATATAAAAAACCCACATTATGTTTTTAAAAAAAAGGGG
AAATTGTATTCCACCTCAAAACATAAAATTAACCCGCTTAAAGAACTTTCAGCGGGCAAAG
TCATGGGGAATTTTAAACAACCTCAGAGTAAATAACAAGGACTTTATACTGGTTTATAT
CTAAAAATGCTTACAACCTCTCATAAAAAATAGTTTGAAGCAACTATTTTTCTTTTATT
TTTTAACAGACAGTTCAACATTACGGGCAACATTTTTAAACCTTAAGCTTTACAGACT
TTCAAACATTCAAATACTGGGGGCCCTTCTCTTGATGGGGGTATTTCAGCTAGAAAAGA
AAACATGGGAGACAACCTAATACATTTTACCAAATTGAAAGTAGTACAAAAATTTTAGG
ACTCTACCGAACTACACATCGTACCTAATGTATCATTAAAAATAGAAGACAGTTTTTTTCT
TCAGCAATAAAACAGCATACTAATATGCTGCTAATGCATACCTTTTAAGGGGACTGGCA
TTCATAAATATTTACAACCTGCTACTGTGTGAAGAGACTANAATGTAATTTTCTGCAAACT
GGAAAAAGCATACCAAATTTGGGAAGGCTGTGTTTATACTATCAAAAGGCAGTTTTTTC
CTCAAATCCAGAAATTGATGCAGGATATTTGCAACCATTAAGAATNCTGAGGAGGTTTA
TGGCTGGAGAGAGTTACCGCCTCGATTCTAATAAGGAGACTAAACCTCAATTCACCGCT
GAATTTCTTACAATTTTACCCACCTTCTGGAAAACTTAAGCTTTTTGGGCACCGCT
TTGCATTTCTTTGTTTTCCAACAGGCCATAACCAACTGCCTCATTCAC

Restriction Sites:

NotI-NotI

ACCN:

NM_017632

Insert Size:

2710 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.

RefSeq: [NM_017632.1](#), [NP_060102.1](#)

RefSeq Size: 2392 bp

RefSeq ORF: 1743 bp

Locus ID: 55602

UniProt ID: [Q9NXV6](#)

Cytogenetics: 4q35.1

Gene Summary: The protein encoded by this gene regulates the DNA damage response through several different signaling pathways. One such pathway is the p53-HDM2-p21(WAF1) pathway, which is critical to the DNA damage response. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2015]