

Product datasheet for RC233444

OriGene Technologies, Inc.

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Apoptosis repressor with CARD (NOL3) (NM 001276312) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Apoptosis repressor with CARD (NOL3) (NM_001276312) Human Tagged ORF Clone

Tag: Myc-DDK

Symbol: Apoptosis repressor with CARD

Synonyms: ARC; FCM; MYOCL1; MYP; NOP; NOP30

Mammalian Cell

Selection:

Neomycin

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)ORF Nucleotide>RC233444 ORF sequence

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

 ${\tt TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC}$

GCCGCGATCGCC

ATGGGCAACGCGCAGGAGCGCCGTCAGAGACTATCGACCGCGAGCGGAAACGCCTGGTCGAGACGCTGC
AGGCGGACTCGGGACTGCTGTTGGACGCCGCTGCTGGCGCGGGGCGTGCTCACCGGGCCAGAGTACGAGGC
ATTGGATGCACTGCCTGATGCCGAGCGCAGGGTGCGCCGCCTACTGCTGCTGGTGCAGGGCAAGGGCGAG
GCCGCCTGCCAGGAGCTGCTACGCTGTGCCCAGCGTACCGCGGGCCGCGCGCCGGACCCCGCTTGGGACTGGC
AGCACGTGGGTCCGGGGCTACCGGGACCGCAGCTATGACCCTCCATGCCCAGGCCACTGGACGCCGGAGGC
ACCCGGCTCGGGGACCACATGCCCCGGGTTGCCCAGAGCTTCAGACCCTGACGAGGCCGGGGGCCCTGAG
GGCTCCGAGGCGGTGCAATCCGGGACCCCGGAGGAGCCAGAGCCAGAGCTGAAGCCTGAAGCCTCAAAG
AGGCTGAACCGGAGCCGGAGCCAGAGCCAGAGCTGGAACCCGAAGCTGAAGCAGAACCAGAGCCGGAACT
GGAGCCAGAACCGGACCCAGAGCCCGAGCCCGACTTCGAGGAAACGGACGAGTCCGAAGATTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233444 protein sequence

Red=Cloning site Green=Tags(s)

MGNAQERPSETIDRERKRLVETLQADSGLLLDALLARGVLTGPEYEALDALPDAERRVRRLLLLVQGKGE AACQELLRCAQRTAGAPDPAWDWQHVGPGYRDRSYDPPCPGHWTPEAPGSGTTCPGLPRASDPDEAGGPE GSEAVQSGTPEEPELEAEASKEAEPEPEPEPELEPEAEAEPEPELEPEAEAEPEPEPDFEERDESEDS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



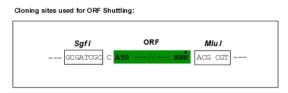


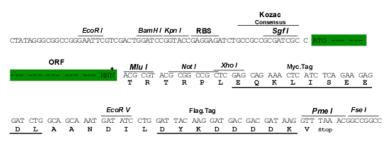
Chromatograms: https://cdn.origene.com/chromatograms/mk6146 d01.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_001276312

ORF Size: 624 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: 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.

RefSeg: NM 001276312.2

RefSeq Size: 1915 bp
RefSeq ORF: 627 bp
Locus ID: 8996



 UniProt ID:
 O60936

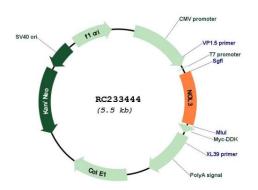
 Cytogenetics:
 16q22.1

 MW:
 22.6 kDa

Gene Summary: This gene encodes an anti-apoptotic protein that has been shown to down-regulate the

enzyme activities of caspase 2, caspase 8 and tumor protein p53. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]

Product images:



Circular map for RC233444