

Product datasheet for **RC233443**

Apoptosis repressor with CARD (NOL3) (NM_001276309) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Apoptosis repressor with CARD (NOL3) (NM_001276309) 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 Sequence: >RC233443 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCAACGCGCAGGAGCGGCCGTCAGAGACTATCGACCCGAGCGGAAACGCCTGGTCGAGACGCTGC
AGGCGGACTCGGGACTGCTGTTGGACGCGCTGCTGGCGGGGGCGTGTCAACGGGCCAGAGTACGAGGC
ATTGGATGCACTGCCTGATGCCGAGCGCAGGGTGCGCCGCTACTGCTGCTGGTGCAGGGCAAGGGCGAG
GCCGCTGCCAGGAGCTGCTACGCTGTGCCAGCGTACCGGGCGCGCCGGACCCCGCTTGGGACTGGC
AGCACGTGGGTCCGGGTACCGGGACCGCAGCTATGACCCTCCATGCCAGGCCACTGGACGCCGAGGC
ACCCGGCTCGGGACCACATGCCCGGGTTGCCAGAGCTTCAACCCCTGACGAGGCCGGGGCCCTGAG
GGCTCCGAGGCGGTGCAATCCGGGACCCCGGAGGAGCCAGAGCCAGAGCTGGAAGCTGAGCCTCTAAAG
AGGCTGAACCGGAGCCGGAGCCAGAGCCAGAGCTGGAACCCGAGGCTGAAGCAGAACCAGAGCCGGAAC
GGAGCCAGAACCAGCCAGAGCCCGAGCCGACTTCGAGGAAAGGGACGAGTCCGAAGATTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233443 protein sequence
Red=Cloning site Green=Tags(s)

MGNAQERPSETIDREKRLVETLQADSGLLLDALLARGVLTGPEYEALDALPDAERRVRRLLLLVQKGK
AACQELLRCAQRTAGAPDPAWDQHVGPYRDRSYDPPCPGHWTPEAPGSGTTCPGLPRASDPDEAGGPE
GSEAVQSGTPEEPEPELEAEASKEAEPEPEPEPELEPEAEAEPEPEPEPEPEPEPEPEDEPEPEDESEDS

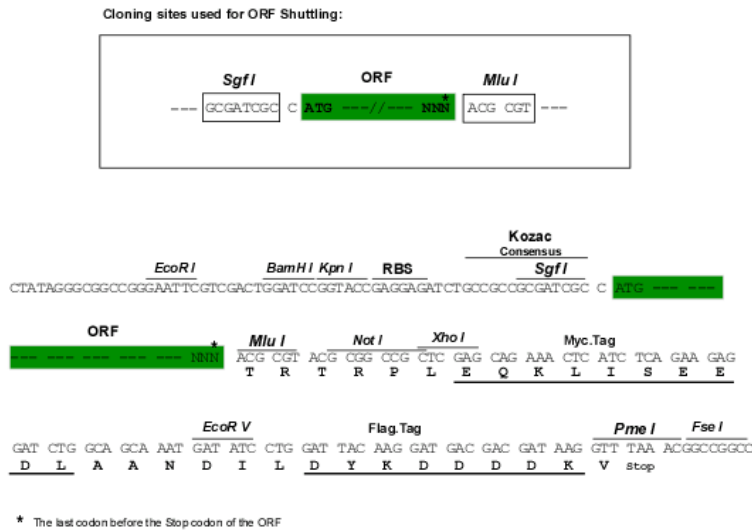
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



Chromatograms: https://cdn.origene.com/chromatograms/mk6146_d01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001276309

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.

RefSeq: [NM_001276309.1](#), [NP_001263238.1](#)

RefSeq Size: 1424 bp

RefSeq ORF: 627 bp

Locus ID: 8996

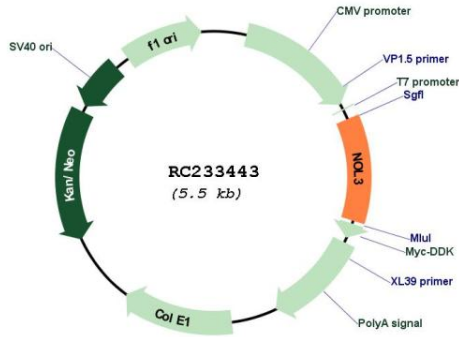
UniProt ID: O60936

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 RC233443