

Product datasheet for RC231065

Apoptosis repressor with CARD (NOL3) (NM_001185057) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apoptosis repressor with CARD (NOL3) (NM_001185057) 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:	>RC231065 representing NM_001185057 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCAACGCGCAGGAGCGGCCGTCAGAGACTATCGACCGGAGCGGAAACGCCTGGTCGAGACGCTGC
AGGCGGACTCGGGACTGCTGTTGGACGCGCTGCTGGCGGGGGCGTGCTCACCGGGCCAGAGTACGAGGC
ATTGGATGCACTGCCTGATGCCGAGCGCAGGGTGCGCCGCTACTGCTGCTGGTGCAGGGCAAGGGCGAG
GCCGCTGCCAGGAGCTGCTACGCTGTGCCAGCGTACCGGGGCGGCCGACCCCGCTTGGGACTGGC
AGCACGCTACCGGACCGCAGCTATGACCTCCATGCCAGGCCACTGGACGCCGAGGCACCCGCTCG
GGGACCACATGCCCGGGTTGCCAGAGCTTACAGCCCTGACGAGGCCGGGGCCCTGAGGGCTCCGAGG
CGGTGCAATCCGGGACCCCGGAGGAGCCAGAGCCAGAGCTGGAAGCTGAGGCCTCTAAAGAGGCTGAACC
GGAGCCGGAGCCAGAGCCAGAGCTGGAACCCGAGGCTGAAGCAGAACCAGAGCCGGAACCTGGAGCCAGAA
CCGGACCCAGAGCCCGAGCCGACTTCGAGGAAAGGGACGAGTCCGAAGATTCCTGAAGGCCAGAGCTCT
GACAGGCGGTGCCCGCCCATGCTGGA

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC231065 representing NM_001185057
Red=Cloning site Green=Tags(s)

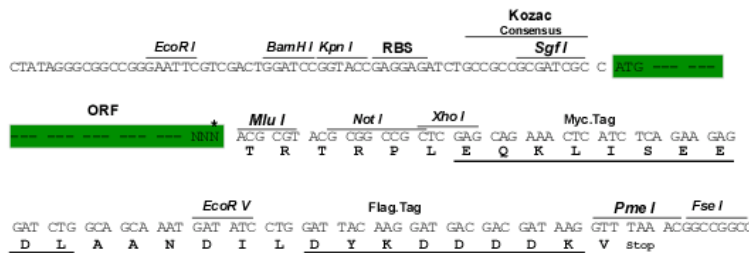
MGNAQERPSETIDREKRLVETLQADSGLLLDALLARGVLTGPEYEALDALPDAERRVRRLLLLVQKGGE
AACQELLRCAQRTAGAPDPAWDWQHATGTAAMTLHAQATGRRRHARGPHAPGCPELQTLTRPGALRAPR
RCNPGPRRSQSQSWKLRPLKRLNRSRSQSQSWNPRLKQNQSRNWSQNRTQSPSPTRKGTSPKIEGQSS
DRRCPAHAG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001185057

ORF Size: 657 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_001185057.2](#)

RefSeq ORF: 660 bp

Locus ID: 8996

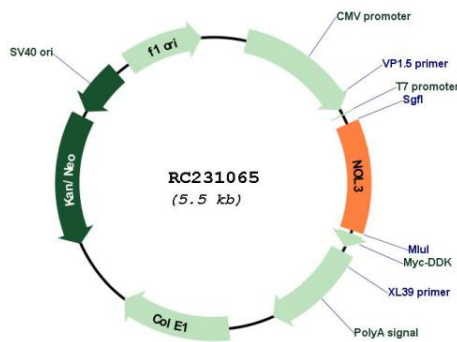
UniProt ID: [O60936](#)

Cytogenetics: 16q22.1

MW: 24.8 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 RC231065