

## Product datasheet for RC236330

### Apoptosis repressor with CARD (NOL3) (NM\_001276311) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Apoptosis repressor with CARD (NOL3) (NM\_001276311) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** NOL3  
**Synonyms:** ARC; FCM; MYOCL1; MYP; NOP; NOP30  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC236330 representing NM\_001276311  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGCAACGCGCAGGAGCGGCCGTCAGAGACTATCGACCGCGAGCGGAAACGCCTGGTCGAGACGCTGC  
 AGCGGACTCGGACTGCTGTTGGACGCGCTGCTGGCGGGGCGTGCTCACCGGCCAGAGTACGAGGC  
 ATTGGATGCACTGCCTGATGCCAGCGCAGGGCTACCGGGACCGCAGCTATGACCTCCATGCCAGGCC  
 ACTGGACGCCGGAGGCACCCGGCTCGGGGACCACATGCCCGGGTTGCCAGAGCTTCAGACCTGACGA  
 GGCCGGGGGCCCTGAGGGCTCCGAGGCGGTGCAATCCGGGACCCGGAGGAGCCAGAGCCAGAGCTGGAA  
 GCTGAGGCCTCTAAAGAGGCTGAACCGGAGCCGGAGCCAGAGCTGGAACCCGAGGCTGAAGCAG  
 AACCGAGCCGGAAGTGGAGCCAGAACCGGACCCAGAGCCGAGCCGAGCCGACTTCGAGGAAAGGGACGATC  
 CGAAGATTCCTGAAGGCCAGAGCTCTGACAGGCGGTGCCCGCCCATGCTGGA

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC236330 representing NM\_001276311  
 Red=Cloning site Green=Tags(s)

MGNAQERPSETIDRERKRLVETLQADSGLLLDALLARGVLTGPEYEALDALPDAERRATGTAAMTLHAQA  
 TGRRRHPARGPHAPGPELQTLTRPGALRAPRRCPNPGRRSQSQSWKLRPLKRLNRSRSQSQSWNPRLKQ  
 NQSRNWSQNRTQSPSPTS SRKGTSPKIPEGQSSDRRCPAHAG

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

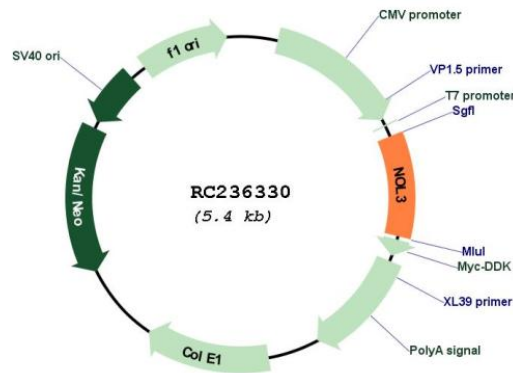


[View online >](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001276311

ORF Size: 543 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.

|                               |   |
|-------------------------------|---|
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <a href="#">NM_001276311.1</a> , <a href="#">NP_001263240.1</a>   |
| <b>RefSeq Size:</b>           | 1416 bp   |
| <b>RefSeq ORF:</b>            | 546 bp  |
| <b>Locus ID:</b>              | 8996  |
| <b>UniProt ID:</b>            | <a href="#">O60936</a>  |
| <b>Cytogenetics:</b>          | 16q22.1   |
| <b>MW:</b>                    | 20.5 kDa  |
| <b>Gene Summary:</b>          | 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]  |