

#### OriGene Technologies, Inc.

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# Product datasheet for RC200591

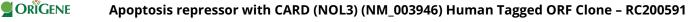
### Apoptosis repressor with CARD (NOL3) (NM\_003946) Human Tagged ORF Clone

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Apoptosis repressor with CARD (NOL3) (NM_003946) 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:	<pre>&gt;RC200591 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGGCAACGCGCAGGAGCGGCCGTCAGAGACTATCGACCGCGAGCGGAAACGCCTGGTCGAGACGCTGC AGGCGGACTCGGGACTGCTGTTGGACGCGCTGCTGGCGCGGGGGGCGTGCTCACCGGGCCAGAGTACGAGGC ATTGGATGCACTGCCTGATGCCGAGCGCAGGGTGCGCCGCCTACTGCTGGTGCAGGGCAAGGGCGAG GCCGCCTGCCAGGAGCTGCTACGCTGTGCCCAGCGTACCGCGGGCGCGCGGCGCGGACCCCGCTTGGGACTGGC AGCACGTGGGTCCGGGCTACCGGGACCGCAGCTATGACCCTCCATGCCCAGGCCACTGGACGCCGGAGGC ACCCGGCTCGGGGACCACATGCCCGGGTTGCCCAGAGCTTCAGACCCTGACGAGGCCGGGGGCCCTGAG GGCTCCGAGGCGGTGCAATCCGGGACCCCGGAGGAGCCAGAGCCAGAGCCTGAAGCCGGAGGCCTCTAAAG AGGCTGAACCGGAGCCGGAGCCAGAGCCAGAGCTGGAAGCTGAAGCAGAACCAGAGCCGGAACT GGAGCCAGAACCGGACCCCGAGGCCCGAAGCCGAGGACCCGAGGCCGAAGCTGGAAGCCGAAGCCGGAACT GGAGCCAGAACCGGACCCCGAGCCCGAAGCCCGACTTCCAGAGGACCGAAGCCGAAGATCCC ACCCGGTCCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGACCAGGAGCCGAAATGATATCCTGGATT
Protein Sequence:	ACAAGGATGACGACGATAAGGTTTAA >RC200591 protein sequence Red=Cloning site Green=Tags(s) MGNAQERPSETIDRERKRLVETLQADSGLLLDALLARGVLTGPEYEALDALPDAERRVRRLLLLVQGKGE AACQELLRCAQRTAGAPDPAWDWQHVGPGYRDRSYDPPCPGHWTPEAPGSGTTCPGLPRASDPDEAGGPE GSEAVQSGTPEEPEPELEAEASKEAEPEPEPEPELEPEAEAEPEPELEPEPDPEPEPDFEERDESEDS TRTRPLEOKLISEEDLAANDILDYKDDDDKV



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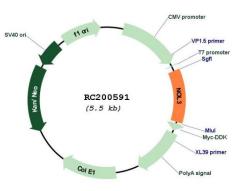


https://cdn.origene.com/chromatograms/mk6146 d01.zip **Chromatograms: Restriction Sites:** Sgfl-Mlul Cloning sites used for ORF Shuttling **Cloning Scheme:** ORF Mlu l Sgfl ACG CGT GCGATCGC Kozac EcoR I BamHI Kpn I RBS Sgfl CTA TAGGGGGGGGGGGATTCCTCGACTGGATCCGCTACCGA GGA GAT ORF Mlu I Not GT ACG GAG CAG AAA CTC EQKL R R EcoR V Pme I Flag. Tag Fse I CTG GAT TAC AAG GAT GAC GAC GAT AAG GTT GAT CTG GCA GCA AAT GAT TAA ACGGCCGGC ATC к А А D L D D D D v \* The last codon before the Stop codon of the ORF NM\_003946 ACCN: **ORF Size:** 624 bp The molecular sequence of this clone aligns with the gene accession number as a point of **OTI Disclaimer:** 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. The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube **Components:** 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 003946.6 1540 bp **RefSeq Size: RefSeq ORF:** 627 bp Locus ID: 8996 

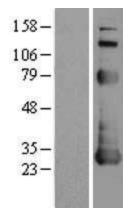
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	Apoptosis repressor with CARD (NOL3) (NM_003946) Human Tagged ORF Clone – RC200591
UniProt ID:	<u>O60936</u>
Cytogenetics:	16q22.1
Domains:	CARD
MW:	22.6 kDa
Gene Summary:	This gene encodes an anti-apoptotic protein that has been shown to down-regulate 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:**



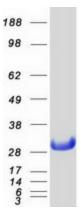
Circular map for RC200591



Western blot validation of overexpression lysate (Cat# [LY401296]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200591 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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Coomassie blue staining of purified NOL3 protein (Cat# [TP300591]). The protein was produced from HEK293T cells transfected with NOL3 cDNA clone (Cat# RC200591) using MegaTran 2.0 (Cat# [TT210002]).

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