

Product datasheet for **RG236330**

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: TurboGFP
Symbol: Apoptosis repressor with CARD
Synonyms: ARC; FCM; MYOCL1; MYP; NOP; NOP30
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236330 representing NM_001276311.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGCAACGCGCAGGAGCGGCCGTCAGAGACTATCGACCGGAGCGGAAACGCCTGGTCGAGACGCTG
CAGGCGGACTCGGGACTGCTGTTGGACGCGCTGCTGGCGGGGGCGTGCTCACCGGGCCAGAGTACGAG
GCATTGGATGCACTGCCTGATGCCGAGCGCAGGGCTACCGGGACCGCAGCTATGACCCTCCATGCCAG
GCCACTGGACGCCGAGGCACCCGGCTCGGGGACCACATGCCCGGGTTGCCAGAGCTTCAGACCCTG
ACGAGGCCGGGGCCCTGAGGGCTCCGAGGCGGTGCAATCCGGGACCCCGGAGGAGCCAGAGCCAGAGC
TGAAGCTGAGGCCTCTAAAGAGGCTGAACCGGAGCCGAGCCAGAGCCAGAGCTGGAACCCGAGGCTG
AAGCAGAACCGAGCCGGAACCTGGAGCCAGAACCAGGACCCAGAGCCCGAGCCGACTTCGAGGAAAGGG
ACGAGTCCGAAGATTCCTGAAGGCCAGAGCTCTGACAGGCGGTGCCCGCCCATGCTGGA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236330
Blue=ORF Red=Cloning site Green=Tag(s)

```
MGNAQERPSETIDRERKRLVETLQADSGLLLDALLARGVLTGPEYEALDALPDAERRATGTAAMTLHAQ
ATGRRRHARGPHAPGPELQTLTRPGALRAPRCNPGRRSQQSQWKLRLKRLNRSRSQQSQSWNPRL
KQNQSRNWSQNRQSPSPTSRKGTSPKIPGQSSDRRCPAHAG
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLVHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

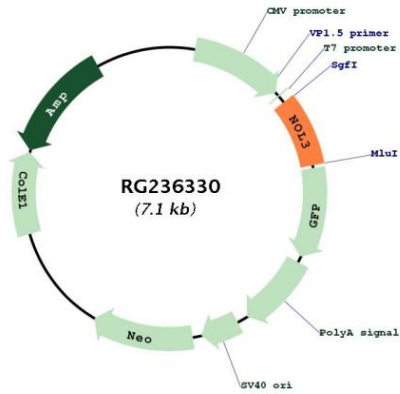
Restriction Sites: Sgfl-MluI



Cloning Scheme:


- 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.
- 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).
- RefSeq:** [NM_001276311.1](#), [NP_001263240.1](#)
- RefSeq Size:** 1416 bp
- RefSeq ORF:** 546 bp
- Locus ID:** 8996
- UniProt ID:** [O60936](#)
- Cytogenetics:** 16q22.1
- MW:** 20.5 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 RG236330