

Product datasheet for **RG233442**

Apoptosis repressor with CARD (NOL3) (NM_001276307) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Apoptosis repressor with CARD (NOL3) (NM_001276307) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: NOL3
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: >RG233442 representing NM_001276307
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCAACGCGCAGGAGCGGCCGTCAGAGACTATCGACCGGAGCGGAAACGCCTGGTCGAGACGCTGC
 AGGCGGACTCGGACTGCTGTTGGACGCGCTGCTGGCGGGGGCTGCTCACCGGCCAGAGTACGAGGC
 ATTGGATGCACTGCCTGATGCCGAGCGCAGGGTGCGCCGCTACTGCTGCTGGTGCAGGGCAAGGGCGAG
 GCCGCTGCCAGGAGCTGCTACGCTGTGCCAGCGTACCGGGCGCGCCGACCCCGCTTGGGACTGCC
 AGCACGTGGGTCCGGCTACCGGACCGCAGCTATGACCTCCATGCCAGGCCACTGGACGCCGAGGC
 ACCCGGCTCGGGACCATGCCCGGGTTGCCAGAGCTTACAGCCCTGACGAGGCCGGGGCCCTGAG
 GGCTCCGAGGCGGTGCAATCCGGGACCCGGAGGAGCCAGAGCCAGAGCTGGAAGCTGAGCCTCTAAAG
 AGGCTGAACCGGAGCCGAGCCAGAGCCAGAGCTGGAACCGAGGCTGAAGCAGAACCAGAGCCGGAAC
 GGAGCCAGAACCAGCCAGAGCCGAGCCGACTTCGAGGAAAGGGACGAGTCCGAAGATTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG233442 representing NM_001276307
 Red=Cloning site Green=Tags(s)

MGNAQERPSETIDREKRLVETLQADSGLLLDALLARGVLTGPEYEALDALPDAERRVRRLLLLVQKGE
 AACQELLRCAQRTAGAPDPAWDWQHVGPGYRDRSYDPPCPGHWTPEAPSGTTCPLPRASDPDEAGGPE
 GSEAVQSGTPEEPEPELEAEASKEAEPEPEPEPELEPEAEAEPEPEPEPEPDPEPEPDFEERDESEDS

TRTRPLE - GFP Tag - V

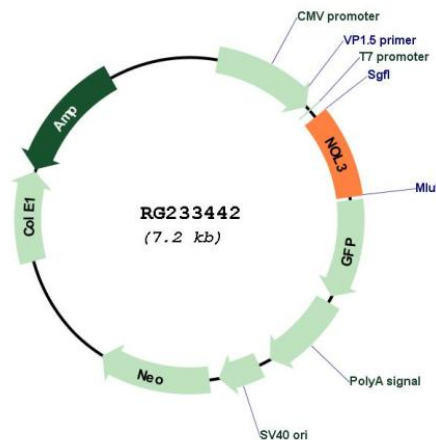
Restriction Sites: Sgfl-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_001276307

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_001276307.2](#)

RefSeq Size: 1564 bp

RefSeq ORF: 627 bp

Locus ID: 8996

UniProt ID: [O60936](#)

Cytogenetics: 16q22.1

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]