

## Product datasheet for SC333240

### Apoptosis repressor with CARD (NOL3) (NM\_001276319) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Apoptosis repressor with CARD (NOL3) (NM\_001276319) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Apoptosis repressor with CARD  
**Synonyms:** ARC; FCM; MYOCL1; MYP; NOP; NOP30  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC333240 representing NM\_001276319.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGCCAGTCTGGGAAAGGCAGGGGAGGAGAGGCCACGGCTGACGCTTGGGGACAGAAGGAGGAG
CCTGAGGAGGAGACAGGACAGAGCGTCTGGAGAGGCAGGAGGACACCGAGTTCCTCGTGTGGCCTCCA
GGTCTGTGCTTGCAGGAGCCGTCGGCGGCTGGGATCGAGCCCCGACAATGGGCAACGCGCAGGAGCGG
CCGTCAGAGACTATCGACCGGAGCGGAAACGCCTGGTCGAGACGCTGCAGGCGGACTCGGGACTGCTG
TTGGACGCGTGTGGCGCGGGGCTGCTACCGGGCCAGAGTACGAGGCATTGGATGCACTGCCTGAT
GCCGAGCGCAGGGTGCGCCGCTACTGCTGCTGGTGCAGGGCAAGGGCGAGGCCGCTGCCAGGAGCTG
CTACGCTGTGCCAGCGTACCGCGGGCGCGCCGACCCCGCTTGGGACTGGCAGCACGTGGGTCCGGGC
TACCGGGACCGCAGCTATGACCTCCATGCCAGGCCACTGGACGCCGGAGCCACCCGGCTCGGGGACC
ACATGCCCCGGGTTGCCAGAGCTTCAGACCCTGACGAGGCCGGGGCCCTGAGGGCTCCGAGGCGGTG
CAATCCGGGACCCCGGAGGAGCCAGAGCCAGAGCTGGAAGCTGAGGCCTCTAAAGAGGCTGAACCGGAG
CCGGAGCCAGAGCCAGAGCTGGAACCCGAGGCTGAAGCAGAACCAGAGCCGGAAGTGGAGCCAGAACC
GACCCAGAGCCCGAGCCGACTTCGAGGAAAGGGACGAGTCCGAAGATTCC
```

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001276319  
**Insert Size:** 813 bp  
**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).  
**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).



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**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\\_001276319.1](#)

**RefSeq Size:** 1915 bp

**RefSeq ORF:** 813 bp

**Locus ID:** 8996

**UniProt ID:** [O60936](#)

**Cytogenetics:** 16q22.1

**MW:** 29.4 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]  
Transcript Variant: This variant (7) is identical to variant 1 but represents possible translation from an upstream in-frame AUG codon which has a weak Kozak signal strength. The resulting isoform (D) has a longer and distinct N-terminus compared to isoform MYP. This protein product is inferred but is supported by conservation in some primate species.