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Product datasheet for SC117651

Apoptosis repressor with CARD (NOL3) (NM_003946) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apoptosis repressor with CARD (NOL3) (NM_003946) Human Untagged Clone
Tag:	Tag Free
Symbol:	Apoptosis repressor with CARD
Synonyms:	ARC; FCM; MYOCL1; MYP; NOP; NOP30
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

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>OriGene sequence for NM_003946 edited
GAATTCGGCACCAGCCCCGCCGAGGCTTGACCCCCCCGACAATGGGCAACGCGCAGGAGC
GGCCGTCAGAGACTATCGACCGCGAGCGGAAACGCCTGGTCGAGACGCTGCAGGCGGACT
CGGGACTGCTGTTGGACGCGCTGCTGGCGCGGGGCGTGCTCACCGGGCCAGAGTACGAGG
CATTGGATGCACTGCCTGATGCCGAGCGCAGGGTGCGCCGCCTACTGCTGCTGGTGCAGG
GCAAGGGCGAGGCCGCCTGCCAGGAGCTGCTACGCTGTGCCCAGCGTACCGCGGGCGCGC
CGGACCCCGCTTGGGACTGGCAGCACGTGGGTCCGGGCTACCGGGACCGCAGCTATGACC
CTCCATGCCCAGGCCACTGGACGCCGGAGGCACCCGGCTCGGGGACCACATGCCCCGGGT
TGCCCAGAGCTTCAGACCCTGACGAGGCCGGGGGCCCTGAGGGCTCCGAGGCGGTGCAAT
CCGGGACCCCGGAGGAGCCAGAGCCAGAGCTGGAAGCTGAGGCCTCTAAAGAGGCTGAAC
CGGAGCCGGAGCCAGAGCCAGAGCTGGAACCCGAGGCTGAAGCAGAACCAGAGCCGGAAC
TGGAGCCAGAACCGGACCCAGAGCCCGAGCCCGACTTCGAGGAAAGGGACGAGTCCGAAG
ATTCCTGAAGGCCAGAGCTCTGACAGGCGGTGCCCCGCCCATGCTGGATAGGACCTGGGA
TGCTGCTGGAGCTGAATCGGATGCCACCAAGGCTCGGTCCAGCCCAGTACCGCTGGAAGT
GAATAAACTCCGGAGGGTCGGACGGGACCTGGGCTCTCTCCACGATTCTGGCTGTTTGCC
CAGGAACTTAGGGTGGGTACCTCTGAGTCCCAGGGACCTGGGCAGGCCCAAGCCCACCAC
GAGCATCATCCAGTCCTCAGCCCTAATCTGCCCTTAGGAGTCCAGGCTGCACCCTGGAGA
TCCCAAACCTAGCCCCCTAGTGGGACAAGGACCTGACCCTCCTGCCCGCATACACAACCC
ATTTCCCCTGGTGAGCCACTTGGCAGCATATGTAGGTACCAGCTCAACCCCACGCAAGTT
CCTGAGCTGAACATGGAGCAAGGGGAGGGTGACTTCTCTCCACATAGGGAGGGCTTAGAG
CTCACAGCCTTGGGAAGTGAGACTAGAAGAGGGGAGCAGAAAGGGACCTTGAGTAGACAA
AGGCCACACACATCATTGTCATTACTGTTTTAATTGTCTGGCTTCTCTCTGGACTGGGAG
CTCAGTGAGGATTCTGACCAGTGACTTACACAAAAGGCGCTCTATACATATTATAATATA
TTCGCTTACTAAATGAAAAAAAAAAAAAAAAAAAAACTCGAC
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003946 unedited
NTGTTCANAATTTGTNATACGACTCACTATAGGCGGCCGCGNATTCGGCACCAGCCCCGC
CGGGCTTGACCCCCCCGACATGGGCAACGCGCAGGAGCGGCCGTCAGAGACTATCGACCG
CGAGCGGAAACGCCTGGTCGAGACGCTGCAGGCGGACTCGGGACTGCTGTTGGACGCGCT
GCTGGCGCGGGGCGTGCTCACCGGGCCAGAGTACGAGGCATTGGATGCACTGCCTGATGC
CGAGCGCAGGGTGCGCCGCCTACTGCTGCTGGTGCAGGGCAAGGGCGAGGCCGCCTGCCA
GGAGCTGCTACGCTGTGCCCAGCGTACCGCGGGCGCGCCGGACCCCGCTTGGGACTGGCA
GCACGTGGGTCCGGGCTACCGGGACCGCAGCTATGACCCTCCATGCCCAGGCCACTGGAC
GCCGGAGGCACCCGGCTCGGGGACCACATGCCCCGGGTTGCCCAGAGCTTCAGACCCTGA
CGAGGCCGGGGGCCCTGAGGGCTCCGAGGCGGTGCAATCCGGGACCCCGGAGGAGCCAGA
GCCAGAGCTGGAAGCTGAGGCCTCTAAAGAGGCTGAACCGGAGCCGGAGCCAGAGCCAGA
GCTGGAACCCGAGGCTGAAGCAGAACCAGAGCCGGAACTGGAGCCAGAACCGGACCCAGA
GCCCGAGCCCGACTTCGAGGAAAGGGACGAGTCCGAAGATCCTGAAGGCCAGAGCTCTGA
CAGGCGGTGCCCCGCCCATGCTGGATAGGACCTGGGATGCTGCTGGAGCTGAATCGGATG
CCACCAAGGGCTCGGTCCAGCCCAGTACCGCTGGGAGTGAATAACTCCGGAGGGTCGGAC
GGGACCTGGGCTCTCCCACGATTCTGGCTGTTGCCCAGAACCTAGGTGGGTACCCTCTGG
TCCCAGGAACCTGGGCAGGCCCAAGCCCACCCGAGCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003946 unedited
NNTTTTATCTTGGACCCGCGGCCGCAATCTAGNGATCGGTTTTTTTTTTTTTTTTTTTC
ATTTAGTAAGCGAATATATTATAATATGTATAGAGCGCCTTTTGTGTAAGTCACTGGTCA
AAATCCTCACTGAGCTCCCAGTCCAGAGAGAAGCCAGACAATTAAAACAGTAATGACAAT
GATGTGTGTGGCCTTTGTCTACTCAAGGTCCCTTTCTGCTCCCCTCTTCTAGTCTCACTT
CCCAAGGCTGTGAGCTCTAAGCCCTCCCTATGTGGAGAGAAGTCACCCTCCCCTTGCTCC
ATGTTCAGCTCAGGAACTTGCGTGGGGTTGAGCTGGTACCTACATATGCTGCCAAGTGGC
TCACCAGGGGAAATGGGTTGTGTATGCGGGCAGGAGGGTCAGGTCCTTGTCCCACTAGGG
GGCTAGGTTTGGGATCTCCAGGGTGCAGCCTGAACTCCTAAGGGCAGATTAGGGCTGAGG
ACTGGATGATGCTCGTGGTGGGCTTGGGCCTGCCCAGGTCCCTGGGACTCAAAGGTACCC
ACCCTAAGTTCCTGGGCAAACAGCCAGAATCGTGGAGAGAGCCCAGGTCCCGTCCGACCC
TCCGGAGTTTATTCACTTCCAGCGGTACTGGGCTGAACCGAGCCTTGGTGGCATCCGATT
CACCTCCAGCAGCATCCCAGGTTCCTATCCAGCATGGGCGGGGCACCGACTGTAAAAGCT
CTGGCCTTACAGAAATCTTCGGACTCGTCCCTTTCCTTAAAGTCCGGCTCGGGCCTCTGG
GTTCCGGTTCTGCCCTCACATTTCCGGCTCTGTGTTTTGCTTCAACCTCGGGGTTCCAAC
CTCTGGCTTTGGGCTTCCGCTCCCGTTTAACTCTTTTTAGAGCCCTCATTTTCACTCGTG
TGTTAGCCTCCTCCCGGGCCCCTGATTGCACC

Restriction Sites: NotI-NotI

ACCN: NM_003946

Insert Size: 1350 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).

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_003946.3, NP_003937.1
RefSeq Size:	1402 bp
RefSeq ORF:	627 bp
Locus ID:	8996
UniProt ID:	O60936
Cytogenetics:	16q22.1
Domains:	CARD
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 (2) originates from a different promoter and has a shorter 5' UTR, compared to variant 1. This transcript and protein were described by Stoss et al. (PMID: 10196175). Variants 1, 2, 4 and 5 encode the same protein (isoform MYP).