



Posi.: pGL3 Control Vector  
(SV40 promoter)

Nega.: Empty Vector

CDKN1A: pGL4-phCDKN1A (RDB#7302)

CCND1: pGL4-phCCND1(RDB#7299)

APOC3:pGL4-phAPOC3 (RDB#7303)

[ GENETYX : Nucleotide Sequence Homology Data ]

Date : 2010.01.25

1st Nucleotide Sequence

File Name : Reference Seq.gnu  
Sequence Size : 5244

2nd Nucleotide Sequence

File Name : RDB7303F.fasta  
Sequence Size : 635

Unit Size to Compare = 1  
Pick up Location = 1

[89.606% / 635 bp] INT/OPT.Score : < 373/ 1884 >

```
1'          GGCCT AACTGG-CCG GTACCTGAG- CTCG-CTAG- CCTCGAGGAT
          ***** ** ***** **
1" CAGAACATTT ACTCTGGCCT AACTGGTCCG GTACCTGAGA CTCGACTAGA CCTCGAGGAT

42' CCAGGAAGGT GAACGAGAGA ATCAGTCCTN GGTGGGGGCT GGGGAGGGCC CCAGACATGA
          ***** ***** ***** ***** ***** *****
61" CCAGGAAGGT GAACGAGAGA ATCAGTCCT- GGTGGGGGCT GGGGAGGGCC CCAGACATGA

102' GACCAGCTCC TCCCCAGGG NGATGTTATC AGTGGGTCCA GAGGGCAAAA TAGGGAGCCT
          ***** ***** ***** ***** ***** *****
120" GACCAGCTCC TCCCCAGGG -GATGTTATC AGTGGGTCCA GAGGGCAAAA TAGGGAGCCT

162' GGTGGAGGGA GNNGGCAAAG GCCTCGGGCT CTGAGCGGCC TTGGCCCTTC TCCACCAACC
          ***** * ***** ***** ***** ***** *****
179" GGTGGAGGGA G-GGGCAAAG GCCTCGGGCT CTGAGCGGCC TTGGCCCTTC TCCACCAACC

222' CCNTGCCCTA CACT-AAGGG GGAGGCAGCG GGGGGCACAC AGGGTGGGGG CGGGNTGGGG
          ** ***** ** ***** ***** ***** ***** *****
238" CC-TGCCCTA CACTAAAGGG GGAGGCAGCG GGGGGCACAC AGGGTGGGGG CGGG-TGGGG
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281' GGCTGCTGGG TGAGCAGCAC TGCCTGCCT GGATTGAAAC CCAGANGATG GAGGTGCTGG
*****
296'' GGCTGCTGGG TGAGCAGCAC TGCCTGCCT GGATTGAAAC CCAGA-GATG GAGGTGCTGG

341' GAGGGGCTGT G-AGAGCTCA GCCCTGTAA- CCAGGCCTNT GCCGGAG-CC ACTGATGCCT
***** * *****
355'' GAGGGGCTGT GAAGAGCTCA GCCCTGTAA C-AGGCCCTT GCCGGAGCCC ACTGATGCCT

398' GGTCTTCTGT GCCTTTACTC CAAACACCCC NCCAGCCCAA GCCACCCA-C TTGTT-CTCA
***** ***** * * ***** . * ***** ** *****
415'' GGTCTTCTGT GCCTTTACTC C-ACCACCCC CCAGCCCAA GCCCCCCACC TTGTTCTCA

456' AGTCTG-AAG AAG-CCCCTC ACCCNT-CT ACT-CCAGGC TGTGT-TCAG GGCTT-GGGG
***** ** * ***** ***** . * ** ** * ** * ***** * * *****
474'' AGTCTGAAAG AAGCCCCTC ACCCCTCCT ACTCCCGGC TGTGTCCCGG GGCTTGGGG

510' CTGGTGG-AG GGAGGGCCT GNAATTCCA GTGTGAAAGG CTGAGAT-GG GCCCGAGGCC
***** ** ***** . . ***** ***** ** * ** . ** ** *****
534'' CTGGTGAAG GGAGGGCCC TGGNTTCCC GTGTGAACGG CTGGNATGGG GCCCNAGGCC

568' CCTGGCCTAT GTCNCAAGCC ATTTCCCTC TCACCAGCCT CTCCTGGGG AGCCAGTCAG
* ***** * ** * . *** ** * ** * * . * ** * ** . **
594'' CTTGGCCTTT GT--CCNGCC -TTTTCCCTT TC-----CNT TTCCTGNGG

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1st Nucleotide Sequence

File Name : pGL4-2031.gnu  
Sequence Size : 5244

2nd Nucleotide Sequence

File Name : RDB7303R.fasta (Complementary)  
Sequence Size : 704

Unit Size to Compare = 1  
Pick up Location = 1





901' CCCTAGAGGC AGCTGCTCCA GGTAATGCC TCTGGGAGG GGAAAGAGGA GGGGAGGAGG  
 \*\*\*\*\*  
 478" CCCTAGAGGC AGCTGCTCCA GGTAATGCC TCTGGGAGG GGAAAGAGGA GGGGAGGAGG  
  
 961' ATGAAGAGGG GCAAGAGGAG CTCCTGCC AGCCAGCCA GCAAGCCTGG AGAAGCACTT  
 \*\*\*\*\*  
 538" ATGAAGAGGG GCAAGAGGAG CTCCTGCC AGCCAGCCA GCAAGCCTGG AGAAGCACTT  
  
 1021' GCTAGAGCTA AGGAAGCCTC GGAATCAAGA TCTGGCCTCG GCGGCAAGC TTGGCAATCC  
 \*\*\*\*\*  
 598" GCTAGAGCTA AGGAAGCCTC GGAATCAAGA TCTGGCCTCG GCGGCAAGC TTGGCAATCC  
  
 1081' GGTACTGTTG GTAAAGCCAC CATGGAAGAT GCCAAAACA TTAAGAAGG CCCAGCGCCA  
 \*\*\*\*\* \* \* \*  
 658" GGTACTGTTG GTAAAGCCAC CATGGAAGAT GCCAAAACA TAATGAA