



Posi.: pGL3 Control Vector
(SV40 promoter)

Nega.: Empty Vector

RRMB2: pGL4-phRRMB2 (RDB# 7346)

TGFA: pGL4-phTGFA (RDB# 7348)

EZH2: pGL4-phEZH2 (RDB# 7370)

IFI16: pGL4-phIFI16 (RDB#7372)

[GENETYX : Nucleotide Sequence Homology Data]

Date : 2010.03.02

1st Nucleotide Sequence

File Name : Reference Seq.gnu
Sequence Size : 5565

2nd Nucleotide Sequence

File Name : RDB7346F.fasta
Sequence Size : 583

Unit Size to Compare = 1
Pick up Location = 1

[98.932% / 562 bp] INT/OPT.Score : < 1756/ 2190 >

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1'          GGCCTAA CTGGCCGGTA CCTGAGCTCG CTAGCCTCGA
          *****
1" TGCAGGTGCC AGAACATTAC TCTGGCCTAA CTGGCCGGTA CCTGAGCTCG CTAGCCTCGA

38' GGATTGATGC CCGACACACA ATTATTGTTT GATGACTTTA ATTGAATCTG ATTATTTGCC
          *****
61" GGATTGATGC CCGACACACA ATTATTGTTT GATGACTTTA ATTGAATCTG ATTATTTGCC

98' ACGTGGCCTA TAGTAAATTG AGACTCAGTT GCCTAGCAGA ATGTATGTGG CTATTATTTA
          *****
121" ACGTGGCCTA TAGTAAATTG AGACTCAGTT GCCTAGCAGA ATGTATGTGG CTATTATTTA

158' AAGTTCACAG ATGAAAAAAAA TTTCACTCAG CATTGACCC CTAGTAGTTG CTTAAGAAA
          *****
181" AAGTTCACAG ATGAAAAAAAA TTTCACTCAG CATTGACCC CTAGTAGTTG CTTAAGAAA

218' GACTGTCTAC CCCTACGCTA TGGCAGGTTT GAGAAAGGC TTTCAGCATT TTCAACGCTT
          *****
241" GACTGTCTAC CCCTACGCTA TGGCAGGTTT GAGAAAGGC TTTCAGCATT TTCAACGCTT
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278' AAAGTGAGAT CTTGATCCTA TTTACCATCC TTCAGCCAGC CACAAAACAG GTGCATGCTG
*****
301" AAAGTGAGAT CTTGATCCTA TTTACCATCC TTCAGCCAGC CACAAAACAG GTGCATGCTG

338' TTCAGGTCAT GGCAAGATCC CGTCAATCTT TCAGCTTCAA ACTACTTAAA CAAATCTCTC
*****
361" TTCAGGTCAT GGCAAGATCC CGTCAATCTT TCAGCTTCAA ACTACTTAAA CAAATCTCTC

398' TTCCATTTTA TTTTGTAG ACCAAACTA- TTTTTTCAA AATATATTTT TTTCAAATA
*****
421" TTCCATTTTA ATTTGTAG ACCAAACTAT TTTTTTCAA AATATATTTT TTTCAAATA

457' TTTGCCTGAC TTTAGTAACG TGTCCCTCTC CCCCTCACTC ACCCGCATTG ACACACACAC
*****
481" TTTGCCTGAC TTTAGTAACG TGTCCCTCTC CCCCTCACTC ACCCGCATT- -CACACACAC

517' ACACACACTT TCCCCAGAC ACTTCCCTT TTCGGTTGTT TACGCACGAA ACCAGCCAGC
*****
539" ACACACACTT CCCCCAGAC ACTTCCCTT TTCGGTTGTT AACGC

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1st Nucleotide Sequence

File Name : Reference Seq. gnu
Sequence Size : 5565

2nd Nucleotide Sequence

File Name : RDB7346R. fasta (Complementary)
Sequence Size : 582

Unit Size to Compare = 1

Pick up Location = 1

[98.282% / 582 bp] INT/OPT. Score : < 2132/ 2219 >



841' GCGCGGACTC TGGGATAGCT CCTCAGGAGT GGGCGCCCGG AGT--GGGCG AGC-GGAGGA
* * . ** *** ** ** *** *****
1" CCCNNGG AGTGGGGCCG AGCGGGAGGA

898' GGC-GGGGCC -GATGAGGTG A-GGTGGGGC CAGCTGGAGT AGGCTAAGCA GTCCAGAGCA
*** ***** * ***** ***** ***** ***** *****
28" GCGGGGGGCC GGATGAGGTG AGGGTGGGGC CAGCTGGAGT AGGCTAAGCA GTCCAGAGCA

955' GGGGGCGTCC CTCAGTGAA AGCCGGGCGA CTGGGCGGTG CAACAGAGTA AGGCGGGGCC
***** ***** ***** ***** ***** ***** *****
88" GGGGGCGTCC CTCAGTGAA AGCCGGGCGA CTGGGCGGTG CAACAGAGTA AGGCGGGGCC

1015' AGCGGAAGCA GGGAGATTTC CTTAGGCCGC AGGCGGGGAA ATGGGGCTGG CCGGGGTAGG
***** ***** ***** ***** ***** ***** *****
148" AGCGGAAGCA GGGAGATTTC CTTAGGCCGC AGGCGGGGAA ATGGGGCTGG CCGGGGTAGG

1075' CGGAGCCCGG AGGCAGGGGA GCGGTGGCTG GCAGAGGTAG GCGGTGCCCC AAGGCAGGCG
***** ***** ***** ***** ***** ***** *****
208" CGGAGCCCGG AGGCAGGGGA GCGGTGGCTG GCAGAGGTAG GCGGTGCCCC AAGGCAGGCG

1135' GGGCTTGCCG AGACAGGGAT AATCCCTTAG GCCACAGGCT GGGAGGCAGG GCAGGCCGAG
***** ***** ***** ***** ***** ***** *****
268" GGGCTTGCCG AGACAGGGAT AATCCCTTAG GCCACAGGCT GGGAGGCAGG GCAGGCCGAG

1195' GCGGGGAGGA TCCCTTAGGC CGCAGTAGGG GAGGCGGGTC GGCCGAGGCG GGGAGAAACC
***** ***** ***** ***** ***** ***** *****
328" GCGGGGAGGA TCCCTTAGGC CGCAGTAGGG GAGGCGGGTC GGCCGAGGCG GGGAGAAACC

1255' CTTAGGCCGC AGGCGGGGAG GCGGGGCTGG CCGAAGTTAG GCGGAGCCCC GAGGCGGGGG
***** ***** ***** ***** ***** ***** *****
388" CTTAGGCCGC AGGCGGGGAG GCGGGGCTGG CCGAAGTTAG GCGGAGCCCC GAGGCGGGGG

1315' AGGCGGGGCC GGGCCGGCGC AGGAGAGTC ACTCAATGGA CAGGCGAGAA ATCAAGATCT
***** ***** ***** ***** ***** ***** *****
448" AGGCGGGGCC GGGCCGGCGC AGGAGAGTC ACTCAATGGA CAGGCGAGAA ATCAAGATCT

1375' GGCCTCGGCG GCCAAGCTTG GCAATCCGGT ACTGTTGGTA AAGCCACCAT GGAAGATGCC
***** ***** ***** ***** ***** ***** *****
508" GGCCTCGGCG GCCAAGCTTG GCAATCCGGT ACTGTTGGTA AAGCCACCAT GGAAGATGCC



1435' AAAAACATTA AGAAGGGCCC AGCGCCATTC TACCCACTCG AAGACGGGAC CGCCGGCGAG

568' AAAAACATTA AGAAG

[Reference Sequence]

Name of clone : pGL4-phRRM2B

Feature:

<Nucleotide sequence of 5' upstream gene region of the RRM2B : 42-1364>

The 5' upstream sequence of the gene derives from a reference sequence of the human.

GGCCTAACTGGCCGGTACCTGAGCTCGCTAGCCTCGAGGATTGATGCCCGACACACAATTATTGTTTGATGACTTTAATTGAATCTGATTA
TTTGCCACGTGGCCTATAGTAAATTGAGACTCAGTTGCCTAGCAGAATGTATGTGGCTATTATTTAAAGTTCACAGATGAAAAAATTTCA
CTCAGCATTGACCCCTAGTAGTTGCTTTAAGAAAGACTGTCTACCCCTACGCTATGGCAGGTTTGAGAAAGGGCTTTCAGCATTTC AAC
GCTTAAAGTGAGATCTTGATCCTATTTACCATCCTTCAGCCAGCCACAAAACAGGTGCATGCTGTTTCAGGTCATGGCAAGATCCCGTCAAT
CTTTCAGCTTCAAACACTTAAACAAATCTCTCTTCCATTTATTTTTGTTAGACCAAATTTTTTTTCAAATATATTTTTTTCAAAT
ATTTGCCTGACTTTAGTAAAGTGTCCCTCTCCCTCACTCACCCGATTACACACACACACACACTTTCCCCAGACACTTCCCTT
TTCGGTTGTTTACGCACGAAACCAGCCAGCCCTTCCCTAGCGAAGTGTGGCGGTGTAGCTGTCCCGTCCCGGGCGCTTCCACAGCAA
CAGCGCTTCTCTCGCCTCCCGCAGTCTCTCAGGACAGGCCAGGCTAGCGCAAAGTACCGTGTTCCTGGAACACCACGAGGGCGAGCTCG
GGAATCTCGAGCCGGCCTGCAGGACACCTGCCGCACCAAGTGGCTAGAGCCCGGGAGGGCGAGGCGAGGTGGGACGAGGCGGGGTGGTGA
GCGGGCCGGGAAGGCGAGGCCGCGGACTCTGGGATAGCTCCTCAGGAGTGGGCGCCCGGAGTGGGCGAGCGGAGGAGGCGGGGCCGATG
AGGTGAGGTGGGCGCAGCTGGAGTAGGCTAAGCAGTCCAGAGCAGGGGGCGTCCCTCAGTGGAAAGCCGGGCGACTGGGCGGTGCAACAGA
GTAAGGCGGGGCCAGCGAAGCAGGGAGATTTCTTAGGCCGAGCGGGGAAATGGGGTGGCCGGGTAGGCGGAGCCCGAGGCAGGG
GAGGCGTGGCTGGCAGAGGTAGGCGGTGCCCAAGGCAGGCGGGCTTGGCGAGACAGGATAATCCCTTAGGCCACAGGCTGGGAGGCAG
GGCAGGCCGAGGCGGGGAGGATCCCTTAGGCCGAGTAGGGGAGGCGGGTGGCCGAGGCGGGGAGAAACCCTTAGGCCGAGGCGGGGAG
GCGGGCTGGCCGAAGTTAGGCGGAGCCCGAGGCGGGGAGGCGGGGCCGGCGCAGGGAGAGTCACTCAATGGACAGGCGAGAAA
TCAAGATCTGGCCTCGCGGCCAAGCTTGGCAATCCGGTACTGTTGGTAAAGCCACCATGGAAGATGCCAAAACATTAAGAAGGCCAG
CGCCATTCTACCCACTCGAAGACGGGACCGCCGGGAGCAGCTGCACAAAGCCATGAAGCGCTACGCCCTGGTGCCGGCACCATCGCCTT
TACCGACGCACATATCGAGGTGGACATTACCTACGCCGAGTACTTCGAGATGAGCGTTCGGCTGGCAGAAGCTATGAAGCGCTATGGGCTG
AATACAAACCATCGGATCGTGGTGTGCAGCGAGAATAGCTTGCAAGTTCATGCCCGTGTGGGTGCCCTGTTTCATCGGTGTGGCTGTGG
CCCCAGCTAACGACATCTACAACGAGCGGAGCTGCTGAACAGCATGGGCATCAGCCAGCCACCGTGTATTTCGTGAGCAAGAAAGGGCT
GCAAAAGATCCTCAACGTGCAAAAGAAGCTACCGATCATAAAAAGATCATCATCATGGATAGCAAGACCGACTACCAGGGCTTCAAAGC
ATGTACACCTTCGTGACTTCCATTTGCCACCCGCTTCAACGAGTACGACTTCGTGCCCGAGAGCTTCGACCGGGACAAAACCATCGCCC
TGATCATGAACAGTAGTGGCAGTACCGGATTGCCAAGGGCGTAGCCCTACCGCACCGCACCGCTTGTGTCGATTAGTCATGCCCGCA
CCCCATCTTCGGCAACCAGATCATCCCCGACACCGCTATCCTCAGCGTGGTGCATTTACCACGGCTTCGGCATGTTACCACGCTGGGC
TACTTGATCTGCGGCTTTCGGGTGCTCATGTACCGCTTCGAGGAGGAGCTATTCTTGGCAGCTTGCAAGACTATAAGATTCAATCTG
CCCTGCTGGTCCCACACTATTTAGCTTCTTCGCTAAGAGCACTCTCATCGACAAGTACGACCTAAGCAACTTGCACGAGATCGCCAGCGG



