



Posi.: pGL3 Control Vector  
(SV40 promoter)

Nega.: Empty Vector

PPP2R4: pGL4-phPPP2R4 (RDB#7294)

ASNS: pGL4-phASNS(RDB#7305)

ID2: pGL4-phID2 (RDB#7306)

PPP1R15A: pGL4-phPPP1R15A (RDB#7307)

[ GENETYX : Nucleotide Sequence Homology Data ]

Date : 2010.01.25

1st Nucleotide Sequence

File Name : Reference Seq.gnu  
Sequence Size : 5742

2nd Nucleotide Sequence

File Name : RDB7306F.fasta  
Sequence Size : 570

Unit Size to Compare = 1  
Pick up Location = 1

[97.168% / 565 bp] INT/OPT.Score : < 373/ 2067 >

```
1'          GGCCT AACTGGCCGG TACCTGAGCT CGCTAGCCTC GAGGATACAC
          *****
1" CAGAACATTT ACTCTGGCCT AACTGGCCGG TACCTGAGCT CGCTAGCCTC GAGGATACAC

46' ACTGTGGTCA AAACAGAATT CTAGATAAGC TACAATTATG TGAAAANTTA AGGTATTTAA
          *****
61" ACTGTGGTCA AAACAGAATT CTAGATAAGC TACAATTATG TGAAA-TTA AGGTATTTAA

106' GTAAATAGCT GCAAACTTTT TAAACTTAG ACTGAAANGA ACGAGTTCTT AAAAGATTTT
          *****
120" GTAAATAGCT GCAAACTTTT TAAACTTAG ACTGAAA-GA ACGAGTTCTT -AAAGATTTT

166' CAGCCAAAAA AAAAAAAAAA AACCTTGANA CCCGTATTCA GTACTAGTGC TGAAAAGATT
          *****
178" CAGCCAAAAA AAAAAAAAAA AACCTTGAA CCCGTATTCA GTACTAGTGC TGAAAAGATT

226' CCAAACCTCA TATGACAGAN ATATTTTTTT TTCCTTAGTG TGAAGATGTC TATCAATGGC
          *****
238" CCAAACCTCA TATGACAGA- ATATTTTTTT TTCCTTAGTG TGAAGATGTC TATCAATGGC
```



```

286' TAGGGCCACC NTATCTGTCA CAAAGCTTTG GAACTCCTCT AGGTGTTGGA ATGTGACACC
*****
297" TAGGGCCACC -TATCTGTCA CAAAGCTTTG GAACTCCTCT AGGTGTTGGA ATGTGACACC

346' ANGAAATCAC AATTAGTGCA TAATTAATCA CATTACTTTG CCACCTACAC GGNAAGGGCA
* *****
356" A-GAAATCAC AATTAGTGCA TAATTAATCA CATTACTTTG CCACCTACAC GG-AAGGGCA

406' CAGACCGGCA GCCTTTCAAG GGCAGTGTAT GTAAATGTAG TTTNCAATAT GCAAATTCTC
*****
414" CAGACCGGCA GCCTTTCAAG GGCAGTGTAT GTAAATGTAG TTT-CAATAT GCAAATTCTC

466' CTAATTATTT CCGATTAATA CGATCATTAT AATANGCCCT GCCTCCTTCT TGAAAAGGAA
*****
473" CTAATTATTT CCGATTAATA CGATCATTAT AATA-GCCCT GCCTCCTTCT TGAAAAGGAA

526' CCCTGAAAGC GCCCTGCCTG TGAGANGCTC CTTAGCGACC GGTGAGGTTG GGCATGGTTT
*****
532" CCCTGAAAGC GCCCTGCCTG TGAGA-GCTC CTTAGCGAAC

```

1st Nucleotide Sequence

File Name : Reference Seq. gnu  
Sequence Size : 5742

2nd Nucleotide Sequence

File Name : RDB7306R. fasta (Complementary)  
Sequence Size : 503

Unit Size to Compare = 1

Pick up Location = 1

[98.016% / 504 bp] INT/OPT. Score : < 1026/ 1884 >



1081' TGTCTTCCTC CTCCCTCCTC CTCTCCCTCC TNCCCGCCTC CCTCCTCCC GCCCCCGCC  
 \*\* \*\*\*\*\*  
 1" TCCGTT CCTCCTCCC GCCCCCGCC

1141' CGCCGCTCCC CGCCCCCGC CNCCCGCCA GCCCGCACT TACTGTACTG TACTCTATTT  
 \*\*\*\*\* \*\* \*\*\*\*\*  
 28" CGCCGCTCCC CGCCCCCGC CC-CCGCCA GCCCGCACT TACTGTACTG TACTCTATTT

1201' ACCACCCAG CTGNGGCTCG CGCCCGCCC ACCCGCGGG GATTGGCTGC GAACGCGAA  
 \*\*\*\*\* \*\*\* \*\*\*\*\*  
 87" ACCACCCAG CTG-GGCTCG CGCCCGCCC ACCCGCGGG GATTGGCTGC GAACGCGAA

1261' GAACNCAAGC CCACGCCCG CGCCCGGCC CACCAATGGA AGCGCCGCT CGTCTNTGAT  
 \*\*\*\* \*\*\*\*\*  
 146" GAAC-CAAGC CCACGCCCG CGCCCGGCC CACCAATGGA AGCGCCGCT CGTCT-TGAT

1321' AGAGTGCCA CCTTCCGCA ATGGGACGA AGGGAAGCTC CAGCGTNGTG GCCCG--GC  
 \*\*\*\*\* \*\*\*\*\*  
 204" AGAGTGCCA CCTTCCGCA ATGGGACGA AGGGAAGCTC CAGCGT-GTG GCCCGAGCC

1379' GAGTGC GGAT AAAAGCCGCC CCGCCGGGCT CGGGCTTCAN TTCTGAGCCG AGCCCGGTGC  
 \*\*\*\*\* \*\*\*\*\*  
 263" GAGTGC GGAT AAAAGCCGCC CCGCCGGGCT CGGGCTTCA- TTCTGAGCCG AGCCCGGTGC

1439' CAAGCGCAGC TAGCTCAGCA GCGGCAGCG GCGGCCTGAG CTTAGGGCA GCCAGCTCCC  
 \*\*\*\*\* \*\*\*\*\*  
 322" CAAGCGCAGC TAGCTCAGCA GCGGCAGCG GCGGCCTGAG CTTAGGGCA GCCAGCTCCC

1499' TCCCGTCTC GCCTCCCTC GCGGTCAGCA TGAAAGCCTT CAGATCAAGA TCTGGCTCG  
 \*\*\*\*\* \*\*\*\*\*  
 382" TCCCGTCTC GCCTCCCTC GCGGTCAGCA TGAAAGCCTT CAGATCAAGA TCTGGCTCG

1559' GCGGCAAGC TTGCAATCC GGTACTGTTG GTAAAGCCAC CATGGAAGAT GCCAAAACA  
 \*\*\*\*\* \*\*\*\*\*  
 442" GCGGCAAGC TTGCAATCC GGTACTGTTG GTAAAGCCAC CATGGAAGAT GCCAAAACA

1619' TTAAGAAGG CCCAGGCCA TTCTACCCAC TCGAAGACGG GACCGCCGGC GAGCAGCTGC  
 \*  
 502" TA

