



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 : 2009.06.25

1st Nucleotide Sequence

File Name : Reference Seq. GNU  
Sequence Size : 5520

2nd Nucleotide Sequence

File Name : RDB7305F.fasta  
Sequence Size : 699

Unit Size to Compare = 1

Pick up Location = 1

[97.278% / 698 bp] INT/OPT. Score : < 440/ 2531 >

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1'          GGCT AACTGGCCGG TACCTGAGCT CGCTAGCCTC GAGGATTGTT
          *****
1'' CCAGAACATT TCTCTGGCCT AACTGGCCGG TACCTGAGCT CGCTAGCCTC GAGGATTGTT

46' GTGAAGCTGT GT-TTGGATA AATCCNCTCA ACTTTTCTGA GTCTTATTTT TTCATTTGTA
          ***** ** ***** ***** ***** ***** *****
61'' GTGAAGCTGT GTGTTGGATA AATCC-CTCA ACTTTTCTGA GTCTTATTTT TTCATTTGTA

105' AAATGTAGAT AGAAGANCCT ACTTTCCAC ATTGCTCTCA GGTTTAAAGT ACGTCAATTA
          ***** ***** ** ***** ***** ***** *****
120'' AAATGTAGAT AGAAGA-CCT ACTTTCCAC ATTGCTCTCA GGTTTAAAGT ACGTCAATTA

165' GGATACANGC AAAGTCTGTT TGATACTGAA AACTTTCCAG CAACAATGAA CCTTAGAANC
          ***** ** ***** ***** ***** ***** ***** *
179'' GGATACA-GC AAAGTCTGTT TGATACTGAA AACTTTCCAG CAACAATGAA CCTTAGAA-C

225' AAGTCATCTC TCATCTTTGC TCTTGCCTGT AACTACTAAG CGACTACTCN CATCTTCTGT
          ***** ***** ***** ***** ***** *****
237'' AAGTCATCTC TCATCTTTGC TCTTGCCTGT AACTACTAAG CGACTACTC- CATCTTCTGT

285' TCTTAGGGAT TTTAAATTGT TGGCGTTTTT GATTTAGTCA NNGAATGCGT TGTATGGGGA
          ***** ***** ***** ***** ***** *****
296'' TCTTAGGGAT TTTAAATTGT TGGCGTTTTT GATTTAGTCA -GGAATGCGT TGTATGGGGA
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345' TATCAAACCT GCATGCTCTC CAAGCATTGA CNTGTAGTCT GATCTTAGTA GGTCGTGCAC
*****
355" TATCAAACCT GCATGCTCTC CAAGCATTGA C-TGTAGTCT GATCTTAGTA GGTCGTGCAC

405' ATATAATTTT ACTATTTCTC AANTTTATTT CGGTGCTGAT GTAATTAGTA AAATACGATT
*****
414" ATATAATTTT ACTATTTCTC AA-TTTATTT CGGTGCTGAT GTAATTAGTA AAATACGATT

465' TAAGAGTGTT ATGNATACTT TTTAAAAATC GTGATGTCTT TTCTTCATCA AAGAGATACT
*****
473" TAAGAGTGTT ATG-ACTT TTTAAAAATC GTGATGTCTT TTCTTCATCA AAGAGATACT

525' TAAANAGCAC ATAATCATCT TGTGGAGGCA AGTTGACAAA ATCCTTTTGG AGATTNCTAA
****
532" TAAA-AGCAC ATAATCATCT TGTGGAGGCA AGTTGACAAA ATCCTTTTGG AGATT-CTAA

585' AAGGAATCTT TGTACTTAAA ATGTTTAAGG ACCACTGATG TATTTTNGGC TTCATGTATC
*****
590" AAGGAATCTT TGTACTTAAA ATGTTTAAGG ACCACTGATG TATTTT-GGC CTCATGTATC

645' AATTAGATTT AGATTTTATT GTTTATAGAGA TGGGGGTNCT CCCTTTGTGG CCCAGGCTGG
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649" ATTTAGATTT AGATTTTATT GTTAAAGAGA TGGGGGT-CT CCC-TTGNCG CCC

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1st Nucleotide Sequence

File Name : Reference Seq. GNU  
Sequence Size : 5520

2nd Nucleotide Sequence

File Name : RDB7305R.fasta (Complementary)  
Sequence Size : 629

Unit Size to Compare = 1  
Pick up Location = 1



[98.116% / 637 bp] INT/OPT. Score : < 412/ 2366 >

721' GCCTCAAAC CCNTGGGCTC AAACATCCT TCTGCCTCAG CCTCCTGAGT TGCTGGGACT  
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1" CCC CCTCCTGAGT TGCTGGGACT

781' ACCNATGGTG TGCCACCAAT TTTTATAGAG ATGTGATCTC GCTGTGTTTC CCAGNGCTGG  
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24" ACC-ATGGTG TGCCACCAAT TTTTATAGAG ATGTGATCTC GCTGTGTTTC CCAG-GCTGG

841' TCTTGAAGTC CTGGTTTCAA GTGATCCTCT TGCCTTGGCT TCCANAAGT GTTGGGATTA  
\*\*\*\*\*  
82" TCTTGAAGTC CTGGTTTCAA GTGATCCTCT TGCCTTGGCT TCCA-AAGT GTTGGGATTA

901' CAGGCGTGAG CCACCGCTCC TGGCCCGAT TTATTANATA GATCTTATAA GGACATTTTA  
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141" CAGGCGTGAG CCACCGCTCC TGGCCCGAT TTATTA-ATA GATCTTATAA GGACATTTTA

961' GGCCTCACGC ATCAGTTTCT TAGGACANAG CTTTTCTCTG CACTGCATAA TAAATCAGAC  
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200" GGCCTCACGC ATCAGTTTCT TAGGACA-AG CTTTTCTCTG CACTGCATAA TAAATCAGAC

1021' GGCAGTGCAA CAAAAAANC GGTGATGATT TCCCGAAGAA CAAACCAAGT TCAGAAGCCT  
\*\* \*\*\*\*\*  
259" GGTAGTGCAA CAAAAAA-C GGTGATGATT TCCCGAAGAA CAAACCAAGT TCAGAAGCCT

1081' CCCTAATTGN TCAGAACAGC AGGTAGCCTG GCGGAGCTC TGAGGCTATC CTAAACAGG  
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318" CCCTAATTG- TCAGAACAGC AGGTAGCCTG GCGGAGCTC TGAGGCTATC CTAAACAGG

1141' NCGCACTGAG ACGCAAGGCG CTGGAACAA AAGAGCTCCT CTTGCGCCC TNTCCGCCG  
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377" -CGCACTGAG ACGCAAGGCG CTGGAACAA AAGAGCTCCT CTTGCGCCC T-TCCGCCG

1201' CCCACTTAGT CTGCTCCGC CCCGGACACC CCGCGGCCCC GCNCCCTGTG CGCGCTGGTT  
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435" CCCACTTAGT CCTGCTCCGC CCCGGACACC CCGCGGCCCC GC-CCCTGTG CGCGCTGGTT

1261' GGTCTCTGCA GGCATGATGA AACTTCCCGC ACGNCGTTAC AGGAGCCAGG TCGGTATAAA

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494" GGTCTCTGCA GGCATGATGA AACTTCCCGC ACG-CGTTAC AGGAGCCAGG TCGGTATAAA

1321' TCAAGATCTG GCCTCGGCGG CCAAGCTTGG CAATCCGGTA CTGTTGGTAA AGCCACCATG

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553" TCAAGATCTG GCCTCGGCGG CCAAGCTTGG CAATCCGGTA CTGTTGGTAA AGCCACCATG

1381' GAAGATGCCA AAAACATTAA GAAGGGCCCA GCGCCATTCT ACCCACTCGA AGACGGGACC

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613" GAAGATGCCA AAAACAT