pH1-siRNA siRNA expression vector for RNA interference

Molecule Name:

pH1-siRNA, 2882 bps Circular DNA

Eukaryotic expression of siRNA for RNAi:

H1 RNA Promoter (1-260): A RNA polymerase III promoter derived from human H1 RNA gene (X16612)

Eukaryotic selection/stable cell line selection:

Kan/Neo (782-1576): Neomycin resistance gene driven by SV40 early promoter (390-746), with TK termination and polyadenylation signal (1761-2022), confers G418 resistance in eukaryotic cells.

Replication origin:

ColE1 replication origin: 2023-2858

Prokaryotic selection:

Kan/Neo resistance (782-1576): Neomycin resistance gene driven by the β-lactamase promoter confers Kanamycin resistance in bacteria.

Last Updated: Sep 2002. Biomyx Technology, www.biomyx.net

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   1  GAATCCTATG CTTCGAACGC TGACGTCATC AACCCGCTCC AAGGAATCGC GGGCCCAGTG
  61  TCACTAGGCG GGAACACCCA GCGCGCGTGC GCCCTGGCAG GAAGATGGCT GTGAGGGACA
 121  GGGGAGTGGC GCCCTGCAAT ATTTGCATGT CGCTATGTGT TCTGGGAAAT CACCATAAAC
 181  GTGAAATGTC TTTGGATTTG GGAGTCTTAT AAGTTCTGTA TGAGACCACT CTTTCCCATG
 241  GTCTTCATCC TATCTAGACA TCCGCACTTT TCGGGGAAAT GTGCGCGGAA CCCCTATTTG
 301  TTTATTTTTC TAAATACATT CAAATATGTA TCCGCTCATG AGACAATAAC CCTGATAAAT
 361  GCTTCAATAA TATTGAAAAA GGAAGAGTCC TGAGGCGGAA AGAACCAGCT GTGGAATGTG
 421  TGTCAGTTAG GGTGTGGAAA GTCCCCAGGC TCCCCAGCAG GCAGAAGTAT GCAAAGCATG
 481  CATCTCAATT AGTCAGCAAC CAGGTGTGGA AAGTCCCCAG GCTCCCCAGC AGGCAGAAGT
 541  ATGCAAAGCA TGCATCTCAA TTAGTCAGCA ACCATAGTCC CGCCCCTAAC TCCGCCCATC
 601  CCGCCCCTAA CTCCGCCCAG TTCCGCCCAT TCTCCGCCCC ATGGCTGACT AATTTTTTTT
 661  ATTTATGCAG AGGCCGAGGC CGCCTCGGCC TCTGAGCTAT TCCAGAAGTA GTGAGGAGGC
 721  TTTTTTGGAG GCCTAGGCTT TTGCAAAGAT CGATCAAGAG ACAGGATGAG GATCGTTTCG
 781  CATGATTGAA CAAGATGGAT TGCACGCAGG TTCTCCGGCC GCTTGGGTGG AGAGGCTATT
 841  CGGCTATGAC TGGGCACAAC AGACAATCGG CTGCTCTGAT GCCGCCGTGT TCCGGCTGTC
 901  AGCGCAGGGG CGCCCGGTTC TTTTTGTCAA GACCGACCTG TCCGGTGCCC TGAATGAACT
 961  GCAAGACGAG GCAGCGCGGC TATCGTGGCT GGCCACGACG GGCGTTCCTT GCGCAGCTGT
1021  GCTCGACGTT GTCACTGAAG CGGGAAGGGA CTGGCTGCTA TTGGGCGAAG TGCCGGGGCA
1081  GGATCTCCTG TCATCTCACC TTGCTCCTGC CGAGAAAGTA TCCATCATGG CTGATGCAAT
1141  GCGGCGGCTG CATACGCTTG ATCCGGCTAC CTGCCCATTC GACCACCAAG CGAAACATCG
1201  CATCGAGCGA GCACGTACTC GGATGGAAGC CGGTCTTGTC GATCAGGATG ATCTGGACGA
1261  AGAGCATCAG GGGCTCGCGC CAGCCGAACT GTTCGCCAGG CTCAAGGCGA GCATGCCCGA
1321  CGGCGAGGAT CTCGTCGTGA CCCATGGCGA TGCCTGCTTG CCGAATATCA TGGTGGAAAA
1381  TGGCCGCTTT TCTGGATTCA TCGACTGTGG CCGGCTGGGT GTGGCGGACC GCTATCAGGA
1441  CATAGCGTTG GCTACCCGTG ATATTGCTGA AGAGCTTGGC GGCGAATGGG CTGACCGCTT
1501  CCTCGTGCTT TACGGTATCG CCGCTCCCGA TTCGCAGCGC ATCGCCTTCT ATCGCCTTCT
1561  TGACGAGTTC TTCTGAGCGG GACTCTGGGG TTCGAAATGA CCGACCAAGC GACGCCCAAC
1621  CTGCCATCAC GAGATTTCGA TTCCACCGCC GCCTTCTATG AAAGGTTGGG CTTCGGAATC
1681  GTTTTCCGGG ACGCCGGCTG GATGATCCTC CAGCGCGGGG ATCTCATGCT GGAGTTCTTC
1741  GCCCACCCTA GGGGGAGGCT AACTGAAACA CGGAAGGAGA CAATACCGGA AGGAACCCGC
1801  GCTATGACGG CAATAAAAAG ACAGAATAAA ACGCACGGTG TTGGGTCGTT TGTTCATAAA
1861  CGCGGGGTTC GGTCCCAGGG CTGGCACTCT GTCGATACCC CACCGAGACC CCATTGGGGC
1921  CAATACGCCC GCGTTTCTTC CTTTTCCCCA CCCCACCCCC CAAGTTCGGG TGAAGGCCCA
1981  GGGCTCGCAG CCAACGTCGG GGCGGCAGGC CCTGCCATAG CCTCAGGTTA CTCATATATA
2041  CTTTAGATTG ATTTAAAACT TCATTTTTAA TTTAAAAGGA TCTAGGTGAA GATCCTTTTT
2101  GATAATCTCA TGACCAAAAT CCCTTAACGT GAGTTTTCGT TCCACTGAGC GTCAGACCCC
2161  GTAGAAAAGA TCAAAGGATC TTCTTGAGAT CCTTTTTTTC TGCGCGTAAT CTGCTGCTTG
2221  CAAACAAAAA AACCACCGCT ACCAGCGGTG GTTTGTTTGC CGGATCAAGA GCTACCAACT
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2281  CTTTTTCCGA AGGTAACTGG CTTCAGCAGA GCGCAGATAC CAAATACTGT CCTTCTAGTG
2341  TAGCCGTAGT TAGGCCACCA CTTCAAGAAC TCTGTAGCAC CGCCTACATA CCTCGCTCTG
2401  CTAATCCTGT TACCAGTGGC TGCTGCCAGT GGCGATAAGT CGTGTCTTAC CGGGTTGGAC
2461  TCAAGACGAT AGTTACCGGA TAAGGCGCAG CGGTCGGGCT GAACGGGGGG TTCGTGCACA
2521  CAGCCCAGCT TGGAGCGAAC GACCTACACC GAACTGAGAT ACCTACAGCG TGAGCTATGA
2581  GAAAGCGCCA CGCTTCCCGA AGGGAGAAAG GCGGACAGGT ATCCGGTAAG CGGCAGGGTC
2641  GGAACAGGAG AGCGCACGAG GGAGCTTCCA GGGGGAAACG CCTGGTATCT TTATAGTCCT
2701  GTCGGGTTTC GCCACCTCTG ACTTGAGCGT CGATTTTTGT GATGCTCGTC AGGGGGGCGG
2761  AGCCTATGGA AAAACGCCAG CAACGCGGCC TTTTTACGGT TCCTGGCCTT TTGCTGGCCT
2821  TTTGCTCACA TGTTCTTTCC TGCGTTATCC CCTGATTCTG TGGATAACCG TATTACCGCC
2881  AT
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