

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 TTTATTTTTT 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 AATTTTTTTTT
661 ATTTATGCAG AGGCCGAGGC CGCCTCGGCC TCTGAGCTAT TCCAGAAGTA GTGAGGAGGC
721 TTTTTTGGAG GCCTAGGCTT TTGCAAAGAT CGATCAAGAG ACAGGATGAG GATCGTTTTG
781 CATGATTGAA CAAGATGGAT TGCACGCAGG TTCTCCGGCC GCTTGGGTGG AGAGGCTATT
841 CGGCTATGAC TGGGCACAAC AGACAATCGG CTGCTCTGAT GCCGCCGTGT TCCGGCTGTC
901 AGCGCAGGGG CGCCCGGTTT TTTTTGTCAA GACCGACCTG TCCGGTGCCC TGAATGAACT
961 GCAAGACGAG GCAGCGCGGC TATCGTGGCT GGCCACGACG GCGCTTCCTT GCGCAGCTGT
1021 GCTCGACGTT GTCACTGAAG CGGGAAGGGA CTGGCTGCTA TTGGGCGAAG TGCCGGGGCA
1081 GGATCTCCTG TCATCTCACC TTGCTCCTGC CGAGAAAGTA TCCATCATGG CTGATGCAAT
1141 GCGGCGGCTG CATA CGCTTG 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 GACGCCAAC
1621 CTGCCATCAC GAGATTTCTG TTCCACCGCC GCCTTCTATG AAAGGTTGGG CTTCCGGAATC
1681 GTTTTCCGGG ACGCCGGCTG GATGATCCTC CAGCGCGGGG ATCTCATGCT GGAGTTCTTC
1741 GCCCACCTTA GGGGGAGGCT AACTGAAACA CGGAAGGAGA CAATACCGGA AGGAACCCGC
1801 GCTATGACGG CAATAAAAAG ACAGAATAAA ACGCACGGTG TTGGGTGCTT TGTTATAAAA
1861 CGCGGGGTTT GGTCCCAGGG CTGGCACTCT GTCGATACCC CACCGAGACC CCATTGGGGC
1921 CAATACGCCC GCGTTTCTTC CTTTTCCCCA CCCCACCCC CAAGTTCGGG TGAAGGCCCA
1981 GGGCTCGCAG CCAACGTCGG GGCGGCAGGC CCTGCCATAG CCTCAGGTTA CTCATATATA
2041 CTTTAGATTG ATTTAAACT TCATTTTTAA TTTAAAAGGA TCTAGGTGAA GATCCTTTTT
2101 GATAATCTCA TGACCAAAT CCCTTAACGT GAGTTTTCTG TCCACTGAGC GTCAGACCCC
2161 GTAGAAAAGA TCAAAGGATC TTCTTGAGAT CTTTTTTTTT TGCGCGTAAT CTGCTGCTTG
2221 CAAACAAAAA AACCACCGCT ACCAGCGGTG GTTTGTGTTG CCGATCAAGA GCTACCAACT
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2281 CTTTTTCCGA AGGTAAGTGG CTTTCAAGAAC GCGCAGATAC CAAATACTGT CCTTCTAGTG
2341 TAGCCGTAGT TAGGCCACCA CTTCAAGAAC TCTGTAGCAC CGCCTACATA CCTCGCTCTG
2401 CTAATCCTGT TACCAGTGGC TGCTGCCAGT GCGGATAAGT CGTGTCTTAC CGGGTTGGAC
2461 TCAAGACGAT AGTTACCGGA TAAGGCGCAG CGGTCGGGCT GAACGGGGGGG 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 TTTTACGGT TCCTGGCCTT TTGCTGGCCT
2821 TTTGCTCACA TGTTCTTCC TGCATTATCC CCTGATTCTG TGGATAACCG TATTACCGCC
2881 AT