

pU6-siRNA siRNA expression vector for RNA interference

Molecule Name:

PU6-siRNA, 2972 bps Circular DNA

Eukaryotic expression of siRNA for RNAi:

U6 RNA Promoter (1-319): A RNA polymerase III promoter derived from murine U6 snRNA gene (X06980)

Eukaryotic selection/stable cell line selection:

Kan/Neo (1656-2490): Neomycin resistance gene driven by SV40 early promoter (2486-2842), with TK termination and polyadenylation signal (1210-1471), confers G418 resistance in eukaryotic cells.

Replication origin:

ColE1 replication origin: 328-1209

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 CAGCTTCCGA CGCCGCCATC TCTAGGCCCG CGCCGGCCCC CTCGCACAGA CTTGTGGGAG
61 AAGCTCGGCT ACTCCCCTGC CCCGGTTAAT TTGCATATAA TATTTCTAG TAACTATAGA
121 GGCTTAATGT GCGATAAAAG ACAGATAATC TGTTCTTTTT AATACTAGCT ACATTTTACA
181 TGATAGGCTT GGATTTCTAT AAGAGATACA AATACTAAAT TATTATTTTA AAAAACAGCA
241 CAAAAGGAAA CTCACCCTAA CTGTAAAGTA ATTGTGTGTT TTGAGACTAT AAATATCCCT
301 TGGAGAAAAG CCTTGTTTGT GGTCTTCATC CTATCTAGAC ATAGAATTCA TGGCGGTAAT
361 ACGGTTATCC ACAGAATCAG GGGATAACGC AGGAAAGAAC ATGTGAGCAA AAGGCCAGCA
421 AAAGGCCAGG AACCGTAAAA AGGCCGCGTT GCTGGCGTTT TTCCATAGGC TCCGCCCCCC
481 TGACGAGCAT CACAAAAATC GACGCTCAAG TCAGAGGTGG CGAAACCCGA CAGGACTATA
541 AAGATAACCAG GCGTTTCCCC CTGGAAGCTC CCTCGTGCGC TCTCCTGTTT CGACCCTGCC
601 GCTTACCGGA TACCTGTCCG CCTTTCTCCC TTCGGGAAGC GTGGCGCTTT CTCATAGCTC
661 ACGCTGTAGG TATCTCAGTT CGGTGTAGGT CGTTCGCTCC AAGCTGGGCT GTGTGCACGA
721 ACCCCCCGTT CAGCCCGACC GCTGCGCCTT ATCCGGTAAC TATCGTCTTG AGTCCAACCC
781 GGTAAGACAC GACTTATCGC CACTGGCAGC AGCCACTGGT AACAGGATTA GCAGAGCGAG
841 GTATGTAGGC GGTGCTACAG AGTTCTTGAA GTGGTGGCCT AACTACGGCT AACTAGAAG
901 GACAGTATTT GGTATCTGCG CTCTGCTGAA GCCAGTTACC TTCGGAAAAA GAGTTGGTAG
961 CTCTTGATCC GGCAAACAAA CCACCGCTGG TAGCGGTGGT TTTTTTGTTT GCAAGCAGCA
1021 GATTACGCGC AGAAAAAAG GATCTCAAGA AGATCCTTTG ATCTTTTCTA CGGGGTCTGA
1081 CGCTCAGTGG AACGAAACT CACGTTAAGG GATTTTGGTC ATGAGATTAT CAAAAGGAT
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1261 ACCCGAACTT GGGGGGTGGG GTGGGGAAAA GGAAGAAACG CGGGCGTATT GGCCCCAATG
1321 GGGTCTCGGT GGGGTATCGA CAGAGTGCCA GCCCTGGGAC CGAACCCCGC GTTTATGAAC
1381 AAACGACCCA ACACCGTGCG TTTTATTCTG TCTTTTTTATT GCCGTCATAG CGCGGGTTC
1441 TTCCGGTATT GTCTCCTTCC GTGTTTTCAGT TAGCCTCCCC CTAGGGTGGG CGAAGAATC
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1621 CGTTGGTTCG GTCATTTTCA ACCCCAGAGT CCCGCTCAGA AGAACTCGTC AAGAAGCGA
1681 TAGAAGGCGA TGCGCTGCGA ATCGGGAGCG GCGATACCGT AAAGCACGAG GAAGCGGTCA
1741 GCCCATTCGC CGCCAAGCTC TTCAGCAATA TCACGGGTAG CCAACGCTAT GTCCTGATAG
1801 CGGTCCGCCA CACCCAGCCG GCCACAGTCG ATGAATCCAG AAAAGCGGCC ATTTTCCACC
1861 ATGATATTCG GCAAGCAGGC ATCGCCATGG GTCACGACGA GATCCTCGCC GTCGGGCATG
1921 CTCGCCTTGA GCCTGGCGAA CAGTTCGGCT GCGCGGAGCC CCTGATGCTC TTCGTCCAGA
1981 TCATCCTGAT CGACAAGACC GGCTTCCATC CGAGTACGTG CTCGCTCGAT GCGATGTTTC
2041 GCTTGGTGGT CGAATGGGCA GGTAGCCGGA TCAAGCGTAT GCAGCCGCCG CATTGCATCA
2101 GCCATGATGG ATACTTTCTC GGCAGGAGCA AGGTGAGATG ACAGGAGATC CTGCCCCGGC
2161 ACTTCGCCCA ATAGCAGCCA GTCCCTTCCC GCTTCAGTGA CAACGTCGAG CACAGCTGCG
2221 CAAGGAACGC CCGTCGTGGC CAGCCACGAT AGCCGCGCTG CCTCGTCTTG CAGTTCATTC
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2281 AGGGCACCGG ACAGGTCGGT CTTGACAAAA AGAACCGGGC GCCCCTGCGC TGACAGCCGG
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2521 CTACTTCTGG AATAGCTCAG AGGCCGAGGC GGCCTCGGCC TCTGCATAAA TAAAAAAAAT
2581 TAGTCAGCCA TGGGGCGGAG AATGGGCGGA ACTGGGCGGA GTTAGGGGCG GGATGGGCGG
2641 AGTTAGGGGC GGGACTATGG TTGCTGACTA ATTGAGATGC ATGCTTTGCA TACTTCTGCC
2701 TGCTGGGGAG CCTGGGGACT TTCCACACCT GGTTGCTGAC TAATTGAGAT GCATGCTTTG
2761 CATACTTCTG CCTGCTGGGG AGCCTGGGGA CTTTCCACAC CCTAACTGAC ACACATTCCA
2821 CAGCTGGTTC TTTCCGCCTC AGGACTCTTC CTTTTTCAAT ATTATTGAAG CATTTATCAG
2881 GGTTATTGTC TCATGAGCGG ATACATATTT GAATGTATTT AGAAAAATAA ACAAATAGGG
2941 GTTCCGCGCA CATTTCCTCC AAAAGTGCGG AT