

pME18SFL3

(3,394 bp)

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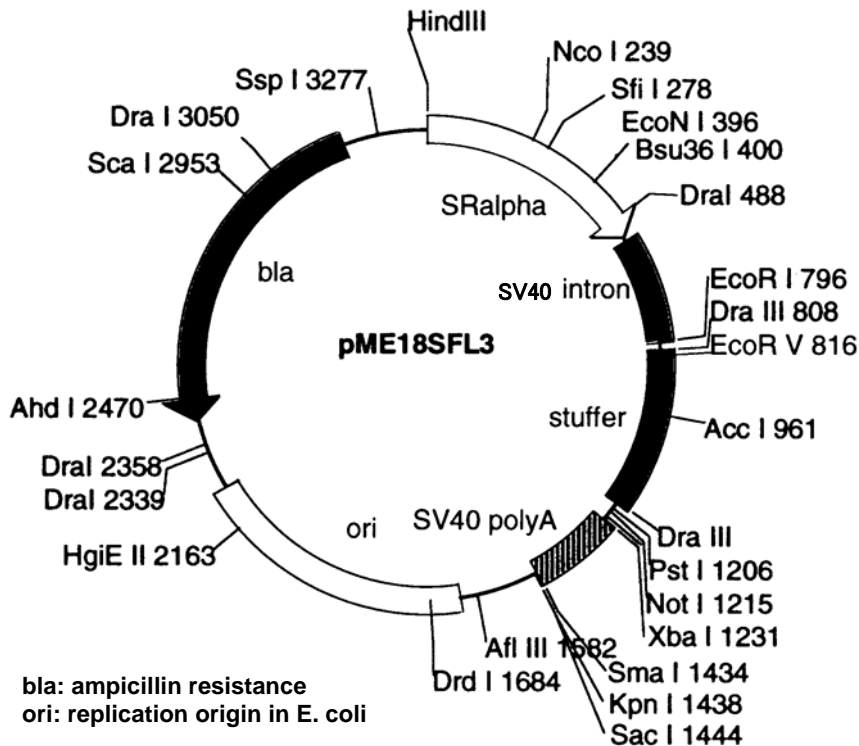
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      70      80      90     100     110     120
GCAGAAGTAT GCAAAGCATG CATCTCAATT AGTCAGCAAC CAGGTGTGGA AAGTCCCCAG
      130     140     150     160     170     180
GCTCCCCAGC AGGCAGAAGT ATGCAAAGCA TGCATCTCAA TTAGTCAGCA ACCATAGTCC
      190     200     210     220     230     240
CGCCCTAAC TCCGCCATC CCGCCCTAA CTCCGCCAG TTCCGCCAT TCTCCGCCCC
      250     260     270     280     290     300
ATGGCTGACT AATTTTTTTT ATTTATGCAG AGGCCGAGGC CGCCTCGGCC TCTGAGCTAT
      310     320     330     340     350     360
TCCAGAAGTA GTGAGGAGGC TTTTTGGAG GCCTAGGCTT TTGCAAAAAG CTCCTCGATC
      370     380     390     400     410     420
GAGGGGCTCG CATCTCTCCT TCACGCGCCC GCCGCCCTAC CTGAGGCCGC CATCCACGCC
      430     440     450     460     470     480
GGTTGAGTCG CGTTCTGCCG CCTCCCGCCT GTGGTGCCTC CTGAACTGGG TCCGCCGTCT
      490     500     510     520     530     540
AGGTAAGTTT AAAGCTCAGG TCGAGACCGG GCCTTTGTCC GCGCTCCCT TGGAGCCTAC
      550     560     570     580     590     600
CTAGACTCAG CCGGCTCTCC ACGCTTTGCC TGACCCTGCT TGCTCAACTC TACGTCTTTG
      610     620     630     640     650     660
TTTCGTTTTT TGTTCTGCCG CGTTACAGAT CCAAGCTCTG AAAAACCAGA AAGTAACTG
      670     680     690     700     710     720
GTAAGTTTAG TCTTTTTGTC TTTTATTTCA GGTCCCGGAT CCGGTGGTGG TGCAAATCAA
      730     740     750     760     770     780
AGAAGTCTC CTCAGTGGAT GTTGCCTTTA CTTCTAGGCC TGACGGAAG TGTTACTTCT
      790     800     810     820     830     840
GCTCTAAAAG CTGCGGAATT CCTCGAGCAC TGTGTGATAT CCATTGTGCT GCGCGGGATT
      850     860     870     880     890     900
CTTTATCACT GATAAGTTGG TGGACATATT ATGTTTATCA GTGATAAAGT GTCAAGCATG
      910     920     930     940     950     960
ACAAAGTTGC AGCCGAATAC AGTGATCCGT GCCGCCCTGG ACCTGTTGAA CGAGGTCGGC
      970     980     990     1000    1010    1020
GTAGACGGTC TGACGACACG CAAACTGGCG GAACGGTTGG GGGTTCAGCA GCCGGCGCTT
      1030    1040    1050    1060    1070    1080
TACTGGCACT TCAGGAACAA GCGGGCGCTG CTCGACGCAC TGGCCGAAGC CATGCTGGCG
      1090    1100    1110    1120    1130    1140
GAGAATCATA CGCATTCCGT GCCGAGAGCC GACGACGACT GGCGTCATT TCTGATCGGG
      1150    1160    1170    1180    1190    1200
AATGCCCGCA GCTTCAGGCA GCGGCTGCTC GCCTACCGCC AGCACAATGG CACCATGTGC
      1210    1220    1230    1240    1250    1260
TCGAGCTGCA GGTGCGGGCC GCTAGACTAG TCTAGAGAAA AAACCTCCCA CACCTCCCCC
      1270    1280    1290    1300    1310    1320
TGAACCTGAA ACATAAAATG AATGCAATTG TTGTTGTAA CTTGTTTATT GCAGCTTATA
      1330    1340    1350    1360    1370    1380
ATGGTTACAA ATAAAGCAAT AGCATCACAA ATTTCACAAA TAAAGCATT TTTTCACTGC
      1390    1400    1410    1420    1430    1440
ATTCTAGTTG TGGTTTGCC AAACATCA ATGTATCTTA TCATGTCTGG ATCCCCGGGT
      1450    1460    1470    1480    1490    1500
ACCGAGCTCG AATTAATTCC TCTCCGCTT CCTCGCTCAC TGA CTGCTG CGCTCGGTCTG
      1510    1520    1530    1540    1550    1560
TTCGGCTCGC GCGAGCGGTA TCAGCTCACT CAAAGGCGGT AATACGGTTA TCCACAGAAT
      1570    1580    1590    1600    1610    1620
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CAGGGGATAA	CGCAGGAAAG	AACATGTGAG	CAAAAGGCCA	GCAAAAGGCC	AGGAACCGTA
1630	1640	1650	1660	1670	1680
AAAAGGCCGC	GTTGCTGGCG	TTTTCCATA	GGCTCCGCC	CCCTGACGAG	CATCAGAAAA
1690	1700	1710	1720	1730	1740
ATCGACGCTC	AAGTCAGAGG	TGGCGAAACC	CGACAGGACT	ATAAAGATAC	CAGGCGTTTC
1750	1760	1770	1780	1790	1800
CCCCTGGAAG	CTCCCTCGTG	CGCTCTCCTG	TTCCGACCCT	GCCGCTTACC	GGATACCTGT
1810	1820	1830	1840	1850	1860
CCGCCTTTCT	CCCTTCGGGA	AGCGTGGCGC	TTTCTCAAAG	CTCAGCTGT	AGGTATCTCA
1870	1880	1890	1900	1910	1920
GTTGCGTGT	GGTCGTTCCG	TCCAAGCTGG	GCTGTGTGCA	CGAACCCCCC	GTTGAGCCCG
1930	1940	1950	1960	1970	1980
ACCGCTGCGC	CTTATCCGGT	AACTATCGTC	TTGAGTCCAA	CCCGGTAAGA	CACGACTTAT
1990	2000	2010	2020	2030	2040
CGCCACTGGC	AGCAGCCACT	GGTAACAGGA	TTAGCAGAGC	GAGGTATGTA	GGCGGTGCTA
2050	2060	2070	2080	2090	2100
CAGAGTTCTT	GAAGTGGTGG	CCTAACTACG	GCTACACTAG	AAGGACAGTA	TTTGGTATCT
2110	2120	2130	2140	2150	2160
GCGCTCTGCT	GAAGCCAGTT	ACCTTCGGAA	AAAGAGTTGG	TAGCTCTTGA	TCCGGCAAAC
2170	2180	2190	2200	2210	2220
AAACCACCGC	TGGTAGCGGT	GGTTTTTTTG	TTTGAAGCA	GCAGATTACG	CGCAGAAAAA
2230	2240	2250	2260	2270	2280
AAGGATCTCA	AGAAGATCCT	TTGATCTTTT	CTACGGGGTC	TGACGCTCAG	TGGAACGAAA
2290	2300	2310	2320	2330	2340
ACTCACGTTA	AGGGATTTTG	GTGATGAGAT	TATCAAAAAG	GATCTTCACC	TAGATCCTTT
2350	2360	2370	2380	2390	2400
TAAATAAAA	ATGAAGTTTT	AAATCAATCT	AAAGTATATA	TGAGTAAACT	TGGTCTGACA
2410	2420	2430	2440	2450	2460
GTTACCAATG	CTTAATCAGT	GAGGCACCTA	TCTCAGCGAT	CTGTCTATTT	CGTTCATCCA
2470	2480	2490	2500	2510	2520
TAGTTGCCTG	ACTCCCCGTC	GTGTAGATAA	CTACGATACG	GGAGGGCTTA	CCATCTGGCC
2530	2540	2550	2560	2570	2580
CCAGTGCTGC	AATGATACCG	CGAGACCCAC	GCTCACCGGC	TCCAGATTTA	TCAGCAATAA
2590	2600	2610	2620	2630	2640
ACCAGCCAGC	CGGAAGGGCC	GAGCGCAGAA	GTGGTCCTGC	AACTTTATCC	GCCTCCATCC
2650	2660	2670	2680	2690	2700
AGTCTATTAA	TTGTTGCCGG	GAAGCTAGAG	TAAGTAGTTC	GCCAGTTAAT	AGTTTGCGCA
2710	2720	2730	2740	2750	2760
ACGTTGTTGC	CATTGCTACA	GGCATCGTGG	TGTCACGCTC	GTCGTTTGGT	ATGGCTTCAT
2770	2780	2790	2800	2810	2820
TCAGCTCCGG	TTCCAACGA	TCAAGGCGAG	TTACATGATC	CCCCATGTTG	TGCAAAAAAG
2830	2840	2850	2860	2870	2880
CGGTTAGCTC	CTTCGGTCTC	CCGATCGTTG	TCAGAAGTAA	GTTGGCCGCA	GTGTTATCAC
2890	2900	2910	2920	2930	2940
TCATGTTTAT	GGCAGCACTG	CATAATTCTC	TACTGTGATC	GCCATCCGTA	AGATGCTTTT
2950	2960	2970	2980	2990	3000
CTGTGACTGG	TGAGTACTCA	ACCAAGTCAT	TCTGAGAATA	GTGTATGCGG	CGACCGAGTT
3010	3020	3030	3040	3050	3060
GCTCTTGCCC	GGCGTCAATA	CGGGATAATA	CCGCGCCACA	TAGCAGAACT	TTAAAAGTGC
3070	3080	3090	3100	3110	3120
TCATCATTGG	AAAACGTTCT	TCGGGGCGAA	AACTCTCAAG	GATCTTACCG	CTGTTGAGAT
3130	3140	3150	3160	3170	3180
CCAGTTCGAT	GTAACCCACT	CGTGCACCCA	ACTGATCTTC	AGCATCTTTT	ACTTTCACCA
3190	3200	3210	3220	3230	3240
GCGTTTCTGG	GTGAGCAAAA	ACAGGAAGGC	AAAATGCCGC	AAAAAAGGGA	ATAAGGGCGA
3250	3260	3270	3280	3290	3300

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CACGGAAATG TTGAATACTC ATACTCTTCC TTTTCAATA TTATTGAAGC ATTTATCAGG
 3310      3320      3330      3340      3350      3360
GTTATTGTCT CATGAGCGGA TACATATTTG AATGTATTTA GAAAAATAAA CAAATAGGGG
 3370      3380      3390      3400      3410      3420
TTCCGCGCAC ATTTCCCGA AAAGTGCCAC CTGC

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The expression vector pME18SFL3 is a eukaryotic expression vector. In pME18SFL3, the SR alpha-promoter and the SV40 splicing site are incorporated in the region upstream from the cloning site, and the SV40 poly A-ligated signal sequence is inserted in the downstream region. The cloning site in pME18SFL3 is the asymmetric DraIII sites, and SfiI sites complementary to those DraIII sites are added to the termini of the cDNA fragment. Therefore, cloned cDNA fragments can be inserted directionally in the region downstream of the SR alpha-promoter. Thus, the gene product encoded by the full-length cDNA can be transiently expressed by directly introducing the plasmid containing the full-length cDNA into COS cells. Thus, the gene product, a protein, or its biological activity can be experimentally analyzed with great ease.