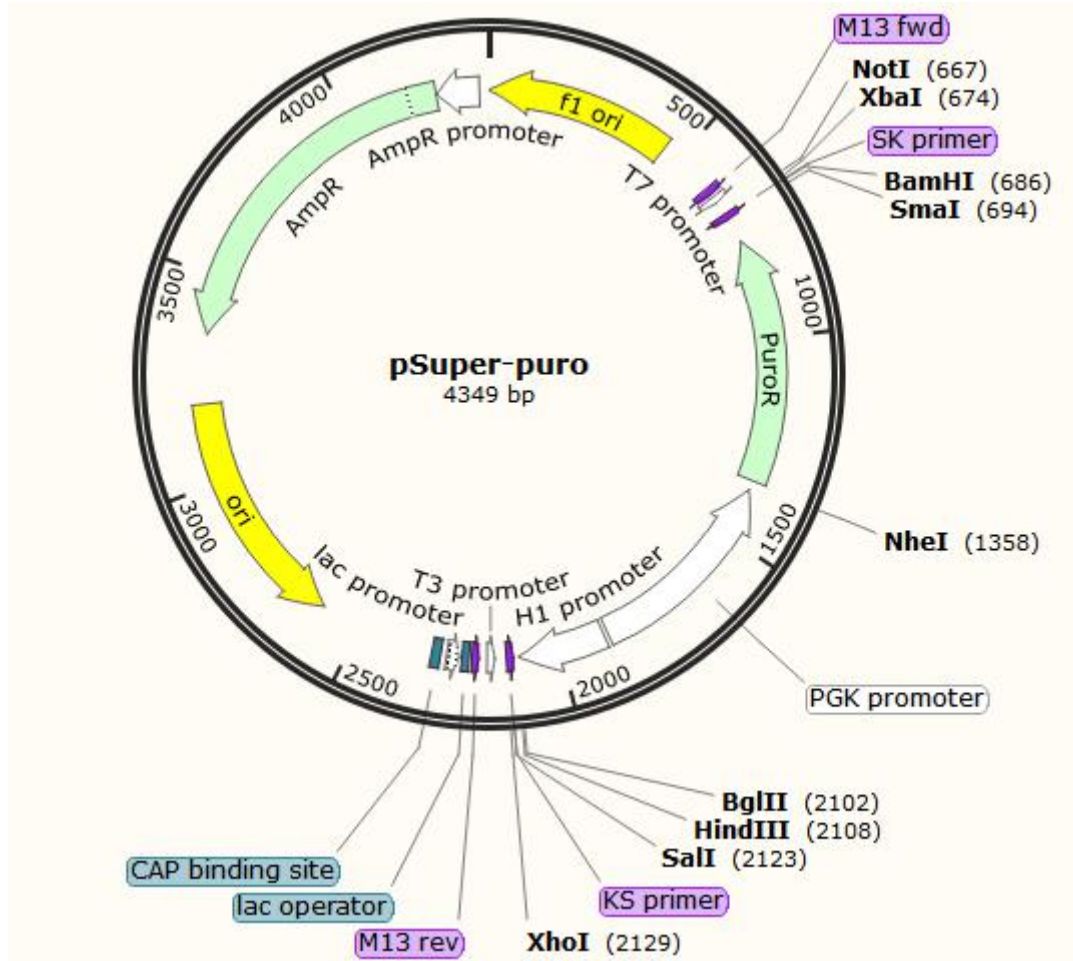


pSuper-puro Vector Information



载体名称:	pSuper-puro
质粒类型:	哺乳动物表达载体, RNAi
表达水平:	高拷贝
启动子:	H1 promoter
克隆方法:	多克隆位点, 限制性内切酶
克隆位点:	HindIII, BglIII
载体大小:	4353bp
5' 测序引物及序列:	T7: AATACGACTCACTATAG
3' 测序引物及序列:	M13-R: CAggAAACAgCTATgACC
载体标签:	--
载体抗性:	Amp
筛选标记:	puro
产品目录号:	--
稳定性:	稳定表达 Stable
组成型/诱导型:	组成型
病毒/非病毒:	病毒
克隆菌株:	Stb13

MCS ☒:



LOCUS Exported 4353bp ds-DNA circular SYN 26-DEC-2019
 DEFINITION synthetic circular DNA
 ACCESSION .
 VERSION .
 KEYWORDS pSuper-puro
 SOURCE synthetic DNA construct
 ORGANISM synthetic DNA construct
 REFERENCE 1 (bases 1 to 4353)
 AUTHORS gene
 TITLE Direct Submission
 JOURNAL Exported Tuesday, January 7, 2020 from SnapGene 3.2.1
<http://www.snapgene.com>

FEATURES Location/Qualifiers

source 1..4353
 /organism="synthetic DNA construct"
 /mol_type="other DNA"

rep_origin complement(3..458)
 /direction=LEFT
 /note="f1 ori"
 /note="f1 bacteriophage origin of replication; arrow indicates direction of (+) strand synthesis"

primer_bind 600..616
 /note="M13 fwd"
 /note="common sequencing primer, one of multiple similar variants"

promoter 626..644
 /note="T7 promoter"
 /note="promoter for bacteriophage T7 RNA polymerase"

primer_bind 677..693
 /note="SK primer"
 /note="common sequencing primer, one of multiple similar variants"

CDS complement(756..1355)
/codon_start=1
/gene="pac from Streptomyces alboniger"
/product="puromycin N-acetyltransferase"
/note="PuroR"
/note="confers resistance to puromycin"
/translation="MTEYKPTVRLATRDDVPRAVRTLAAAFADYPATRHTVDPDRHIER
VTELQELFLTRVGLDIGKVVVADDGAAVAVWTPESVEAGAVFAEIGPRMAELSGSRLA
AQQQMEGLLAPHRPKPAWFLATVGVSPDHQKGLGSAVVLPGVEAAERAGVPAFLETS
APRNLPFYERLGFTVTADVEVPEGPRTWCMTKPGA"

promoter complement(1380..1879)
/note="PGK promoter"
/note="mouse phosphoglycerate kinase 1 promoter"

primer_bind complement(2119..2135)
/note="KS primer"
/note="common sequencing primer, one of multiple similar
variants"

promoter complement(2165..2183)
/note="T3 promoter"
/note="promoter for bacteriophage T3 RNA polymerase"

primer_bind complement(2204..2220)
/note="M13 rev"
/note="common sequencing primer, one of multiple similar
variants"

protein_bind 2228..2244
/bound_moiety="lac repressor encoded by lacI"
/note="lac operator"
/note="The lac repressor binds to the lac operator to
inhibit transcription in E. coli. This inhibition can be
relieved by adding lactose or
isopropyl-beta-D-thiogalactopyranoside (IPTG)."

promoter complement(2252..2282)
/note="lac promoter"
/note="promoter for the E. coli lac operon"

protein_bind 2297..2318
/bound_moiety="E. coli catabolite activator protein"
/note="CAP binding site"
/note="CAP binding activates transcription in the presence
of cAMP."

rep_origin complement(2606..3194)
/direction=LEFT
/note="ori"
/note="high-copy-number ColE1/pMB1/pBR322/pUC origin of
replication"

CDS complement (3365..4225)
/codon_start=1
/gene="bla"
/product="beta-lactamase"
/note="AmpR"
/note="confers resistance to ampicillin, carbenicillin, and related antibiotics"
/translation="MSIQHFRVALIPFFAAFCLPVFAHPETLVKVKDAEDQLGARVGYI
ELDLNSGKILESFRPEERFPMSTFKVLLCGAVLSRIDAGQEQLGRRIRHYSQNDLVEYS
PVTEKHLTDGMTVRELCSAAITMSDNTAANLLLTIGGPKELTAFLHNMGDHVTSLDRW
EPELNEAIPNDERDTMPVAMATTLRKLTLGELLTLASRQQLIDWMEADKVAGPLLRS
LPAGWFIADKSGAGERGSRGIIAALGPDGKPSRIVVIYTTGSQATMDERNRQIAEIGAS
LIKHW"

promoter complement (4226..4330)
/gene="bla"
/note="AmpR promoter"

ORIGIN

1 CTAAATTGTA AGCGTAAATA TTTTGTAAA ATTCGCGTTA AATTTTTGTT AAATCAGCTC
61 ATTTTTTAAC CAATAGGCCG AAATCGGCAA AATCCCTTAT AAATCAAAAG AATAGACCGA
121 GATAGGGTTG AGTGTGTGTC CAGTTTGAA CAAGAGTCCA CTATTAAAGA ACGTGGACTC
181 CAACGTCAAA GGGCGAAAAA CCGTCTATCA GGGCGATGGC CCACTACGTG AACCATCACC
241 CTAATCAAGT TTTTGGGGT CGAGGTGCCG TAAAGCACTA AATCGGAACC CTAAAGGGAG
301 CCCCCGATTT AGAGCTTGAC GGGGAAAGCC GCGGAACGTG GCGAGAAAGG AAGGGAAGAA
361 AGCGAAAGGA GCGGGCGCTA GGGCGTGGC AAGTGTAGCG GTCACGCTGC GCGTAACCAC
421 CACACCCGCC GCGCTTAATG CGCCGCTACA GGGCGCTCC CATTGCCAT TCAGGCTGCG
481 CAACTGTTGG GAAGGGCGAT CGGTGCGGGC CTCTTCGCTA TTACGCCAGC TGGCGAAAAG
541 GGGATGTGCT GCAAGGCGAT TAAGTTGGGT AACGCCAGGG TTTTCCCAGT CACGACGTTG
601 TAAAACGACG GCCAGTGAGC GCGCGTAATA CCACTCACTA TAGGGCGAAT TGGAGCTCCA
661 CCGCGGTGGC GGCCGCTCTA GAACTAGTGG ATCCCCGGG CTGCATGGGG TCGTGCCTC
721 CTTTCGGTCG GCGCTGCGG GTCGTGGGGC GGGCGTCAGG CACCGGGCTT GCGGGTCATG
781 CACCAGGTGC GCGGTCCTC GGGCACCTCG ACGTCGGCGG TGACGGTGAA GCCGAGCCGC
841 TCGTAGAAGG GGAGGTTGCG GGGCGCGGAG GTCTCCAGGA AGGCGGGCAC CCCGGCGCGC
901 TCGGCCGCCT CCACTCCGGG GAGCACGACG GCGCTGCCCA GACCCTTGCC CTGGTGGTCG
961 GCGGAGACGC CGACGGTGGC CAGGAACCAC GCGGGCTCCT TGGGCCGGTG CGGCGCCAGG
1021 AGGCCTTCCA TCTGTTGCTG CGCGGCCAGC CGGAACCGC TCAACTCGGC CATGCGCGGG
1081 CCGATCTCGG CGAACACCGC CCCCCTTCG ACGTCTCCG GCGTGGTCCA GACCGCCACC
1141 GCGGCGCCGT CGTCCGCGAC CCACACCTTG CCGATGTCGA GCCCGACGCG CGTGAGGAAG
1201 AGTTCTTGCA GCTCGGTGAC CCGCTCGATG TGGCGGTCCG GATCGACGGT GTGGCGCGTG
1261 GCGGGGTAGT CGGCGAACGC GCGGCGGAGG GTGCGTACGG CCCTGGGGAC GTCGTCGCGG
1321 GTGGCGAGGC GCACCGTGGG CTTGTACTCG GTCATGGTAA GCTAGCTTGG GCTGCAGGTC
1381 GAAAGGCCCG GAGATGAGGA AGAGGAGAAC AGCGCGCAG ACGTGCCTT TTGAAGCGTG
1441 CAGAATGCCG GGCCTCCGGA GGACCTTCGG GCGCCCGCCC CGCCCCTGAG CCCGCCCTG
1501 AGCCCGCCCC CGGACCCACC CCTTCCAGC CTCTGAGCCC AGAAAGCGAA GGAGCAAAGC
1561 TGCTATTGGC CGCTGCCCA AAGGCCTACC CGTTCCATT GCTCAGCGGT GCTGTCCATC

1621 TGCACGAGAC TAGTGAGACG TGCTACTTCC ATTTGTCACG TCCTGCACGA CGCGAGCTGC
1681 GGGGCGGGGG GGAACCTCCT GACTAGGGGA GGAGTAGAAG GTGGCGCGAA GGGGCCACCA
1741 AAGAACGGAG CCGGTTGGCG CCTACCGGTG GATGTGGAAT GTGTGCGAGG CCAGAGGCCA
1801 CTTGTGTAGC GCCAAGTGCC CAGCGGGGCT GCTAAAGCGC ATGCTCCAGA CTGCCTTGGG
1861 AAAAGCGCCT CCCCTACCCG GTAGAATTCG AACGCTGACG TCATCAACCC GCTCCAAGGA
1921 ATCGCGGGCC CAGTGTCACT AGGCGGGAAC ACCCAGCGCG CGTGCGCCCT GGCAGGAAGA
1981 TGGCTGTGAG GGACAGGGGA GTGGCGCCCT GCAATATTTG CATGTCGCTA TGTGTTCTGG
2041 GAAATCACCA TAAACGTGAA ATGTCTTTGG ATTTGGGAAT CTTATAAGTT CTGTATGAGA
2101 CCACAGATCT AAGCTTATCG ATACCGTCGA CCTCGAGGGG GGGCCCGGTA CCCAGCTTTT
2161 GTTCCCTTTA GTGAGGGTTA ATTGCGCGCT TGGCGTAATC ATGGTCATAG CTGTTTCTG
2221 TGTGAAATTG TTATCCGCTC ACAATCCAC ACAACATACG AGCCGGAAGC ATAAAGTGTA
2281 AAGCCTGGGG TGCCTAATGA GTGAGCTAAC TCACATTAAT TGCGTTGCGC TCACTGCCCG
2341 CTTTCCAGTC GGGAAACCTG TCGTGCCAGC TGCATTAATG AATCGGCCAA CGCGCGGGGA
2401 GAGGCGGTTT GCGTATTGGG CGCTCTTCCG CTTCTCTGCT CACTGACTCG CTGCGCTCGG
2461 TCGTTCGGCT GCGGCGAGCG GTATCAGCTC ACTCAAAGGC GGTAATACGG TTATCCACAG
2521 AATCAGGGGA TAACGCAGGA AAGAACATGT GAGCAAAAGG CCAGCAAAAG GCCAGGAACC
2581 GTAAAAAGGC CGCGTTGCTG GCGTTTTTCC ATAGGCTCCG CCCCCTGAC GAGCATCACA
2641 AAAATCGACG CTCAAGTCAG AGGTGGCGAA ACCCGACAGG ACTATAAAGA TACCAGGCGT
2701 TTCCCCTGG AAGCTCCCTC GTGCGCTCTC CTGTTCCGAC CCTGCCGCTT ACCGGATACC
2761 TGTCGCCTT TCTCCCTTCG GGAAGCGTGG CGTTTTCTCA TAGCTCACGC TGTAGGTATC
2821 TCAGTTCGGT GTAGGTCGTT CGCTCCAAGC TGGGCTGTGT GCACGAACCC CCCGTTACG
2881 CCGACCGCTG CGCCTTATCC GGTAACTATC GTCTTGAGTC CAACCCGTA AGACACGACT
2941 TATCGCCACT GGCAGCAGCC ACTGGTAACA GGATTAGCAG AGCGAGGTAT GTAGGCGGTG
3001 CTACAGAGTT CTTGAAGTGG TGGCCTAACT ACGGCTACAC TAGAAGGACA GTATTTGGTA
3061 TCTGCGCTCT GCTGAAGCCA GTTACCTTCG GAAAAAGAGT TGGTAGCTCT TGATCCGGCA
3121 AACAAACCAC CGCTGGTAGC GGTGGTTTTT TTGTTTGCAA GCAGCAGATT ACGCGCAGAA
3181 AAAAAGGATC TCAAGAAGAT CCTTTGATCT TTTCTACGGG GTCTGACGCT CAGTGGAAACG
3241 AAAACTCACG TTAAGGGATT TTGGTCATGA GATTATCAA AAGGATCTTC ACCTAGATCC
3301 TTTTAAATTA AAAATGAAGT TTTAAATCAA TCTAAAGTAT ATATGAGTAA ACTTGGTCTG
3361 ACAGTTACCA ATGCTTAATC AGTGAGGCAC CTATCTCAGC GATCTGTCTA TTTCGTTTAT
3421 CCATAGTTGC CTGACTCCCC GTCGTGTAGA TAACTACGAT ACGGGAGGGC TTACCATCTG
3481 GCCCCAGTGC TGCAATGATA CCGCGAGACC CACGCTCACC GGCTCCAGAT TTATCAGCAA
3541 TAAACCAGCC AGCCGGAAGG GCCGAGCGCA GAAGTGGTCC TGCAACTTTA TCCGCCTCCA
3601 TCCAGTCTAT TAATTGTTGC CGGGAAGCTA GAGTAAGTAG TTCGCCAGTT AATAGTTTGC
3661 GCAACGTTGT TGCCATTGCT ACAGGCATCG TGGTGTACG CTCGTCGTTT GGTATGGCTT
3721 CATTAGCTC CGGTTCCCAA CGATCAAGGC GAGTTACATG ATCCCCATG TTGTGAAAA
3781 AAGCGGTTAG CTCCTTCGGT CCTCCGATCG TTGTCAGAAG TAAGTTGGCC GCAGTGTAT
3841 CACTCATGGT TATGGCAGCA CTGCATAATT CTCTTACTGT CATGCCATCC GTAAGATGCT
3901 TTTCTGTGAC TGGTGAGTAC TCAACCAAGT CATTCTGAGA ATAGTGTATG CGGCGACCGA
3961 GTTGCTCTTG CCCGGCGTCA ATACGGGATA ATACCGCGCC ACATAGCAGA ACTTTAAAAG
4021 TGCTCATCAT TGGAAAACGT TCTTCGGGGC GAAAACTCTC AAGGATCTTA CCGCTGTTGA
4081 GATCCAGTTC GATGTAACCC ACTCGTGAC CCAACTGATC TTCAGCATCT TTTACTTTCA
4141 CCAGCGTTTC TGGGTGAGCA AAAACAGGAA GGCAAAATGC CGCAAAAAAG GGAATAAGGG
4201 CGACACGGAA ATGTTGAATA CTCATACTCT TCCTTTTTCA ATATTATTGA AGCATTATATC

4261 AGGGTTATTG TCTCATGAGC GGATACATAT TTGAATGTAT TTAGAAAAAT AAACAAATAG
4321 GGGTCCGCG CACATTCCC CGAAAAGTGC CAC

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