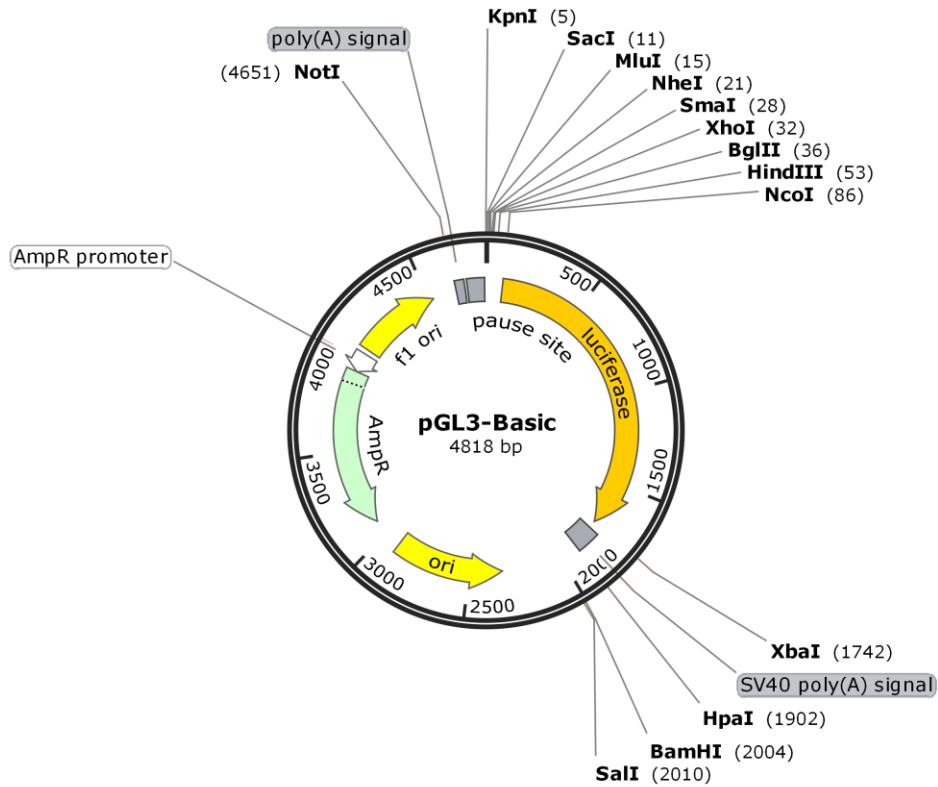


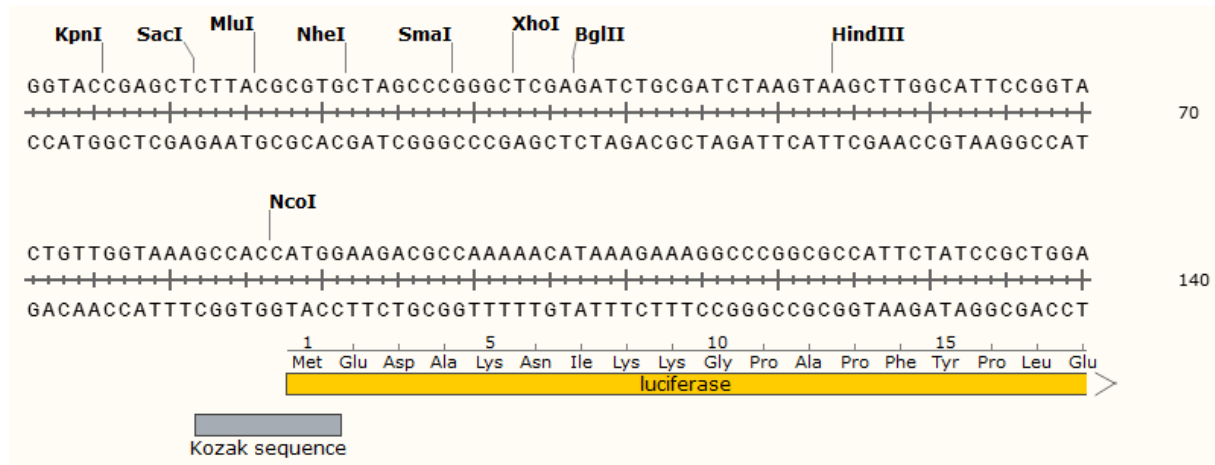
pGL3-Basic Vector Information

Created with SnapGene®



载体名称:	pGL3-Basic
质粒类型:	荧光素酶报告质粒
表达水平:	高拷贝
启动子:	--
克隆方法:	多克隆位点, 限制性内切酶
克隆位点:	MCS
载体大小:	4818bp
5' 测序引物及序列:	GLP2:CTTTATGTTTTTGGCGTCTTCCA
3' 测序引物及序列:	RVP3 (RVprimer3):CTAGCAAATAGGCTGTCCC
载体标签:	--
载体抗性:	Amp
筛选标记:	--
产品目录号:	--
稳定性:	瞬时表达 Transient
组成型/诱导型:	组成型
病毒/非病毒:	非病毒
克隆菌株:	DH5 α / Match-T1

MCS ☒:



LOCUS Exported 4818bp ds-DNA circular SYN 15-SEP-2017
DEFINITION pGL3-Basic.
ACCESSION .
VERSION .
KEYWORDS pGL3-Basic
SOURCE synthetic DNA construct
ORGANISM synthetic DNA construct
REFERENCE 1 (bases 1 to 4818)
AUTHORS .
TITLE Direct Submission
JOURNAL Exported Thursday, June 20, 2019 from SnapGene 3.2.1
<http://www.snapgene.com>
FEATURES Location/Qualifiers
source 1..4818
/organism="synthetic DNA construct"
/mol_type="other DNA"
regulatory 82..91
/regulatory_class="other"
/note="Kozak sequence"
/note="vertebrate consensus sequence for strong initiation
of translation (Kozak, 1987)"
CDS 88..1740
/codon_start=1
/gene="luc+"
/product="firefly luciferase"
/note="luciferase"
/note="enhanced luc+ version of the luciferase gene"
/translation="MEDAKNIKKGPAPFYPLEDGTAGEQLHKAMKRYALVPGTIAFTDA"

HIEVDITYAEYFEMSVRLAEAMKRYGLNTNHRIVVCSENSLQFFMPVLGALFIGVAVAP
 ANDIYNERELLSMGI SQPTVVFVSKKGLQKILNVQKLP I IQK I IIMDSKTDYQGFQS
 MYTFVTSHLPPGFNEYDFVPESFDRDKTIALIMNSSGSTGLPKGVALPHRTACVRFSHA
 RDPIFGNQIIPDTAILS SVVPFHGFGMFTTLGYLICGFRVVL MYRFEELFLRSLQDYK
 IQSALLVPTLFSFFAKSTLIDKYDLSNLHEIASGGAPLSKEVGEAVAKRFHLPGIRQGY
 GLTETTSAILITPEGDDKPGAVGKVVPPFEAKVVDLDTGKTLGVNQRGELCVRGPMIMS
 GYVNNPEATNALIDKDWLHSGDIAYWDEDEHFFIVDRLKSLIKYKGYQVAPAELESIL
 LQHPNIFDAGVAGLPDDDAGELPAVVVLEHGKTMTEKEIVDYVASQVTTAKKLRGGVV
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polyA_signal 1781..1902
 /note="SV40 poly(A) signal"
 /note="SV40 polyadenylation signal"

rep_origin complement(2321..2909)
 /direction=LEFT
 /note="ori"
 /note="high-copy-number ColE1/pMB1/pBR322/pUC origin of replication"

CDS complement(3080..3940)
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 /note="AmpR"
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 PVTEKHLTDGMTVRELCSAAITMSDNTAANLLTTIGGPKELTAFLHNMGDHVTRLDRW
 EPELNEAIPNDERDTMPVAMATLRKLLTGELLTLASRQQLIDWMEADKVAGPLLRSA
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 LIKHW"

promoter complement(3941..4045)
 /gene="bla"
 /note="AmpR promoter"

rep_origin 4072..4527
 /direction=RIGHT
 /note="f1 ori"
 /note="f1 bacteriophage origin of replication; arrow indicates direction of (+) strand synthesis"

polyA_signal 4658..4706
 /note="synthetic polyadenylation signal"

misc_feature 4720..4811
 /note="pause site"
 /note="RNA polymerase II transcriptional pause signal from the human alpha-2 globin gene"

ORIGIN

1 GGTACCGAGC TCTTACGCGT GCTAGCCCGG GCTCGAGATC TGCGATCTAA GTAAGCTTGG
61 CATTCCGGTA CTGTTGGTAA AGCCACCATG GAAGACGCCA AAAACATAAA GAAAGGCCCG
121 GCGCCATTCT ATCCGCTGGA AGATGGAACC GCTGGAGAGC AACTGCATAA GGCTATGAAG
181 AGATACGCC TGGTTCCTGG AACAATTGCT TTTACAGATG CACATATCGA GGTGGACATC
241 ACTTACGCTG AGTACTTCGA AATGTCCGTT CGGTTGGCAG AAGCTATGAA ACGATATGGG
301 CTGAATACAA ATCACAGAAT CGTCGTATGC AGTGAAAACCT CTCTTCAATT CTTTATGCCG
361 GTGTTGGGCG CGTTATTTAT CGGAGTTGCA GTTGGCCTCG CGAACGACAT TTATAATGAA
421 CGTGAATTGC TCAACAGTAT GGGCATTTCG CAGCCTACCG TGGTGTTCGT TTCCAAAAAG
481 GGGTTGCAAA AAATTTTGAA CGTGCAAAAA AAGCTCCCAA TCATCCAAAA AATTATTATC
541 ATGGATTCTA AAACGGATTA CCAGGGATTT CAGTCGATGT ACACGTTCGT CACATCTCAT
601 CTACCTCCCG GTTTTAATGA ATACGATTTT GTGCCAGAGT CCTTCGATAG GGACAAGACA
661 ATTGCACTGA TCATGAACTC CTCTGGATCT ACTGGTCTGC CTAAAGGTGT CGCTCTGCCT
721 CATAGAACTG CCTGCGTGAG ATTCTCGCAT GCCAGAGATC CTATTTTTGG CAATCAAATC
781 ATTCCGGATA CTGCGATTTT AAGTGTGTT CCATTCCATC ACGGTTTTGG AATGTTTACT
841 AACTCGGAT ATTTGATATG TGGATTCGA GTCGTCTTAA TGTATAGATT TGAAGAAGAG
901 CTGTTTCTGA GGAGCCTTCA GGATTACAAG ATTCAAAGTG CGCTGCTGGT GCCAACCTTA
961 TTCTCCTTCT TCGCCAAAAG CACTCTGATT GACAAATACG ATTTATCTAA TTTACACGAA
1021 ATTGCTTCTG GTGGCGCTCC CCTCTCTAAG GAAGTCGGGG AAGCGGTTGC CAAGAGGTTT
1081 CATCTGCCAG GTATCAGGCA AGGATATGGG CTCACTGAGA CTACATCAGC TATTCTGATT
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1201 AAGGTTGTGG ATCTGGATAC CGGGAAAACG CTGGGCGTTA ATCAAAGAGG CGAACTGTGT
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1321 ATTGACAAGG ATGGATGGCT ACATTCTGGA GACATAGCTT ACTGGGACGA AGACGAACAC
1381 TTCTTCATCG TTGACCGCCT GAAGTCTCTG ATTAAGTACA AAGGCTATCA GGTGGCTCCC
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1501 CTTCCGACG ATGACGCCCG TGAACCTCC GCCGCCGTTG TTGTTTTGGA GCACGGAAAAG
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1861 ATTGCTTTAT TTGTAACCAT TATAAGCTGC AATAACAAG TTAACAACAA CAATTGCATT
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1981 TACAAATGTG GTAAAATCGA TAAGGATCCG TCGACCGATG CCCTTGAGAG CCTTCAACCC
2041 AGTCAGCTCC TTCCGGTGGG CGCGGGGCAT GACTATCGTC GCCGCACTTA TGACTGTCTT
2101 CTTTATCATG CAACTCGTAG GACAGGTGCC GGCAGCGCTC TTCCGCTTCC TCGCTCACTG
2161 ACTCGCTGCG CTCGGTCGTT CGGCTGCGC GAGCGGTATC AGCTCACTCA AAGGCGGTAA
2221 TACGTTATC CACAGAATCA GGGGATAACG CAGGAAAGAA CATGTGAGCA AAAGGCCAGC
2281 AAAAGGCCAG GAACCGTAAA AAGGCCGCGT TGCTGGCGTT TTTCCATAGG CTCCGCCCC
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2701 GGTATGTAGG CGGTGCTACA GAGTTCTTGA AGTGGTGGCC TAACTACGGC TACTACTAGAA
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