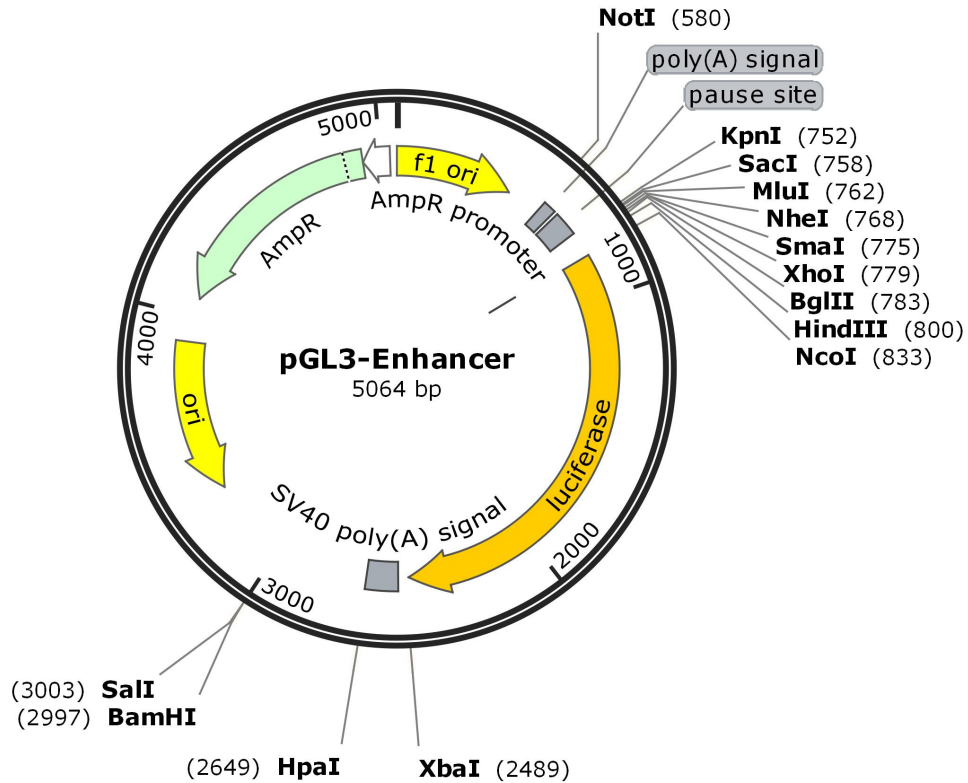


## pGL3-Enhancer Vector Information

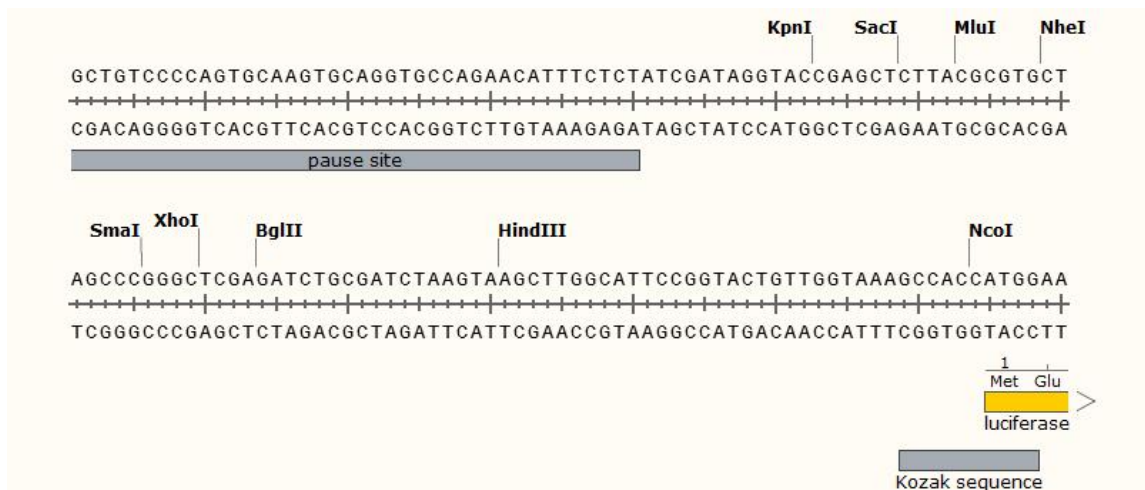
Created with SnapGene®



载体名称:	pGL3-Enhancer
质粒类型:	荧光蛋白报告载体
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:	5064bp
5' 测序引物及序列:	GLP2:CTTTATGTTTTGGCGTCTCCA
3' 测序引物及序列:	RVP3 (RVprimer3):CTAGCAAAATAGGCTGTCCC
载体标签:	--
载体抗性:	Amp
筛选标记:	--
产品目录号:	--
稳定性:	--
组成型/诱导型:	--
病毒/非病毒:	非病毒
克隆菌株:	DH5 α / Match-T1

备注：pGL3-Enhancer 是荧光素酶报告系统载体，含有 SV40 增强子。

MCS 区：



LOCUS Exported 5064bp ds-DNA circular SYN 20-JUN-2019  
DEFINITION synthetic circular DNA  
ACCESSION .  
VERSION .  
KEYWORDS pGL3-Enhancer  
SOURCE synthetic DNA construct  
ORGANISM synthetic DNA construct  
REFERENCE 1 (bases 1 to 5064)  
AUTHORS aaaaaa  
TITLE Direct Submission  
JOURNAL Exported Thursday, June 20, 2019 from SnapGene 3.2.1  
<http://www.snapgene.com>  
FEATURES Location/Qualifiers  
source 1..5064  
/organism="synthetic DNA construct"  
/mol\_type="other DNA"  
rep\_origin 1..456  
/direction=RIGHT  
/note="f1 ori"  
/note="f1 bacteriophage origin of replication; arrow indicates direction of (+) strand synthesis"  
polyA\_signal 587..635  
/note="synthetic polyadenylation signal"  
misc\_feature 649..740  
/note="pause site"  
/note="RNA polymerase II transcriptional pause signal from

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regulatory      the human alpha-2 globin gene"  
 829..838  
 /regulatory\_class="other"  
 /note="Kozak sequence"  
 /note="vertebrate consensus sequence for strong initiation  
 of translation (Kozak, 1987)"

CDS              835..2487  
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 /product="firefly luciferase"  
 /note="luciferase"  
 /note="enhanced luc+ version of the luciferase gene"  
 /translation="MEDAKNIKGPAPFYPLEDTAGEQLHKAMKRYALVPGTIAFTDA  
 HIEVDITYAEYFEMSVRLAEAMKRYGLNTNHRIVVCSENSLQFFMPVLGALFIGVAVAP  
 ANDIYNERELLNSMGISQPTVVVFSKGLQKILNVQKKLP I IQK I IIMDSKTDYQGFQS  
 MYTFVTSHLPPGFNEYDFVPESFDRDKTIALIMNSSGSTGLPKGVALPHRTACVRFSHA  
 RDPIFGNQ I IPDTAILSVPFHGFGMFTTLGYLICGFRVVLMYRFEELFLRSLQDYK  
 IQSALLVPTLFSFFAKSTLIDKYDLSNLHEIASGGAPLSKEVGEAVAKRFHLPGIRQGY  
 GLTETTSAILITPEGDDKPGAVGKVVPFPEAKVVDLDTGKTLGVNQRGELCVRGPMIMS  
 GYVNNPEATNALIDKDWLHSGDIAYWDEDEHFFIVDRLKSLIKYKGYQVAPAELESIL  
 LQHPNIFDAGVAGLPDDDAGELPAVVVLEHGKTMTEKEIVDYVASQVTTAKKLRGGVV  
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polyA\_signal    2528..2649  
 /note="SV40 poly(A) signal"  
 /note="SV40 polyadenylation signal"

rep\_origin      complement(3314..3902)  
 /direction=LEFT  
 /note="ori"  
 /note="high-copy-number ColE1/pMB1/pBR322/pUC origin of  
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CDS              complement(4073..4933)  
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 related antibiotics"  
 /translation="MSIQHFRVALIPFFAAFCLPVFAHPETLVKVKDAEDQLGARVGYI  
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 PVTEKHLTDGMTVRELCSAAITMSDNTAANLLLTIGGPKELTAFLHNMGDHVTRLDRW  
 EPELNEAIPNDERDITMPVAMATTLRKLTLGELLTLASRQQLIDWMEADKAVGPLLRSA  
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 LIKHW"

promoter        complement(4934..5038)

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/gene="bla"  
/note="AmpR promoter"

ORIGIN

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61 CTACACTTGC CAGCGCCCTA GCGCCCCTC CTTTCGCTTT CTTCCCTTCC TTTCTCGCCA  
121 CGTTCGCCGG CTTTCCCGT CAAGCTCTAA ATCGGGGGCT CCCTTTAGGG TTCCGATTTA  
181 GTGCTTTACG GCACCTCGAC CCCAAAAAAC TTGATTAGGG TGATGGTTCA CGTAGTGGGC  
241 CATCGCCCTG ATAGACGGTT TTTCGCCCTT TGACGTTGGA GTCCACGTTT TTTAATAGTG  
301 GACTCTTGTT CCAAACCTGA ACAACACTCA ACCCTATCTC GGTCTATTCT TTTGATTTAT  
361 AAGGGATTTT GCCGATTCG GCCTATTGGT TAAAAAATGA GCTGATTTAA CAAAAATTTA  
421 ACGCGAATTT TAACAAAATA TTAACGCTTA CAATTTGCCA TTCGCCATTC AGGCTGCGCA  
481 ACTGTTGGGA AGGGCGATCG GTGCGGGCCT CTTGCTATT ACGCCAGCCC AAGCTACCAT  
541 GATAAGTAAG TAATATTAAG GTACGGGAGG TACTTGAGC GGCCGCAATA AAATATCTTT  
601 ATTTTCATTA CATCTGTGTG TTGGTTTTTT GTGTGAATCG ATAGTACTAA CATACTGCTCT  
661 CCATCAAAAC AAAACGAAAC AAAACAAACT AGCAAAATAG GCTGTCCCA GTGCAAGTGC  
721 AGGTGCCAGA ACATTTCTCT ATCGATAGGT ACCGAGCTCT TACGCGTGCT AGCCCGGGCT  
781 CGAGATCTGC GATCTAAGTA AGCTTGGCAT TCCGGTACTG TTGGTAAAGC CACCATGGAA  
841 GACGCCAAAA ACATAAAGAA AGGCCGGCG CCATTCTATC CGCTGGAAGA TGGAACCGCT  
901 GGAGAGCAAC TGCATAAGGC TATGAAGAGA TACGCCCTGG TTCCTGGAAC AATTGCTTTT  
961 ACAGATGCAC ATATCGAGGT GGACATCACT TACGCTGAGT ACTTCGAAAT GTCCGTTCGG  
1021 TTGGCAGAAG CTATGAAACG ATATGGGCTG AATACAAATC ACAGAATCGT CGTATGCAGT  
1081 GAAAACTCTC TTCAATTCTT TATGCCGGTG TTGGGCGCGT TATTTATCGG AGTTGCAGTT  
1141 GCGCCCGCGA ACGACATTTA TAATGAACGT GAATTGCTCA ACAGTATGGG CATTTCGCAG  
1201 CCTACCGTGG TGTTCTGTTT CAAAAAGGGG TTGCAAAAAA TTTTGAACGT GCAAAAAAAG  
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1501 AGAGATCCTA TTTTGGCAA TCAAATCATT CCGGATACTG CGATTTTAAG TGTTGTCCA  
1561 TTCCATCACG GTTTTGGAAT GTTTACTACA CTCGGATATT TGATATGTGG ATTTGAGTC  
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1681 CAAAGTGCGC TGCTGGTGCC AACCTATTC TCCTTCTCG CAAAAGCAC TCTGATTGAC  
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1801 GTCGGGAAG CGGTTGCCAA GAGGTTCCAT CTGCCAGGTA TCAGGCAAGG ATATGGGCTC  
1861 ACTGAGACTA CATCAGCTAT TCTGATTACA CCCGAGGGG ATGATAAACC GGGCGCGGTC  
1921 GGTAAAGTTG TTCCATTTT TGAAGCGAAG GTTGTGGATC TGGATACCGG GAAAACGCTG  
1981 GCGGTTAATC AAAGAGGCGA ACTGTGTGTG AGAGGTCCTA TGATTATGTC CGGTTATGTA  
2041 AACAATCCGG AAGCGACCAA CGCCTTGATT GACAAGGATG GATGGCTACA TTCTGGAGAC  
2101 ATAGCTTACT GGGACGAAGA CGAACACTTC TTCATCGTTG ACCGCCTGAA GTCTCTGATT  
2161 AAGTACAAAG GCTATCAGGT GGCTCCCGT GAATTGGAAT CCATCTTGCT CCAACACCCC  
2221 AACATCTTCG ACGCAGGTGT CGCAGGTCTT CCCGACGATG ACGCCGGTGA ACTTCCCGCC  
2281 GCCGTTGTTG TTTTGGAGCA CGGAAAGACG ATGACGGAAA AAGAGATCGT GGATTACGTC  
2341 GCCAGTCAAG TAACAACCGC GAAAAAGTTG CGCGGAGGAG TTGTGTTTGT GGACGAAGTA  
2401 CCGAAAGGTC TTACCGGAAA ACTCGACGCA AGAAAAATCA GAGAGATCCT CATAAAGGCC

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2461 AAGAAGGGCG GAAAGATCGC CGTGTAATTC TAGAGTCGGG GCGGCCGGCC GCTTCGAGCA  
2521 GACATGATAA GATACATTGA TGAGTTTGGG CAAACCACAA CTAGAATGCA GTGAAAAAAA  
2581 TGCTTTATTT GTGAAATTTG TGATGCTATT GCTTTATTTG TAACCATTAT AAGCTGCAAT  
2641 AAACAAGTTA ACAACAACAA TTGCATTCAT TTTATGTTTC AGGTTTCAGGG GGAGGTGTGG  
2701 GAGGTTTTTT AAAGCAAGTA AAACCTCTAC AAATGTGGTA AAATCGATAA GGATCTGAAC  
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2821 GCGGGACTAT GGTTGCTGAC TAATTGAGAT GCATGCTTTG CATACTTCTG CCTGCTGGGG  
2881 AGCCTGGGGA CTTTCCACAC CTGGTTGCTG ACTAATTGAG ATGCATGCTT TGCATACTTC  
2941 TGCCTGCTGG GGAGCCTGGG GACTTCCAC ACCCTAACTG ACACACATTC CACAGCGGAT  
3001 CCGTCGACCG ATGCCCTTGA GAGCCTTCAA CCCAGTCAGC TCCTTCCGGT GGGCGCGGGG  
3061 CATGACTATC GTCGCCGCAC TTATGACTGT CTTCTTTATC ATGCAACTCG TAGGACAGGT  
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4201 CAATGATACC GCGAGACCCA CGCTCACCGG CTCCAGATTT ATCAGCAATA AACCAGCCAG  
4261 CCGGAAGGGC CGAGCGCAGA AGTGGTCTTG CAACTTTATC CGCCTCCATC CAGTCTATTA  
4321 ATTGTTGCCG GGAAGCTAGA GTAAGTAGTT CGCCAGTTAA TAGTTTGCGC AACGTTGTG  
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5041 CATTTCCCCG AAAAGTGCCA CCTG

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