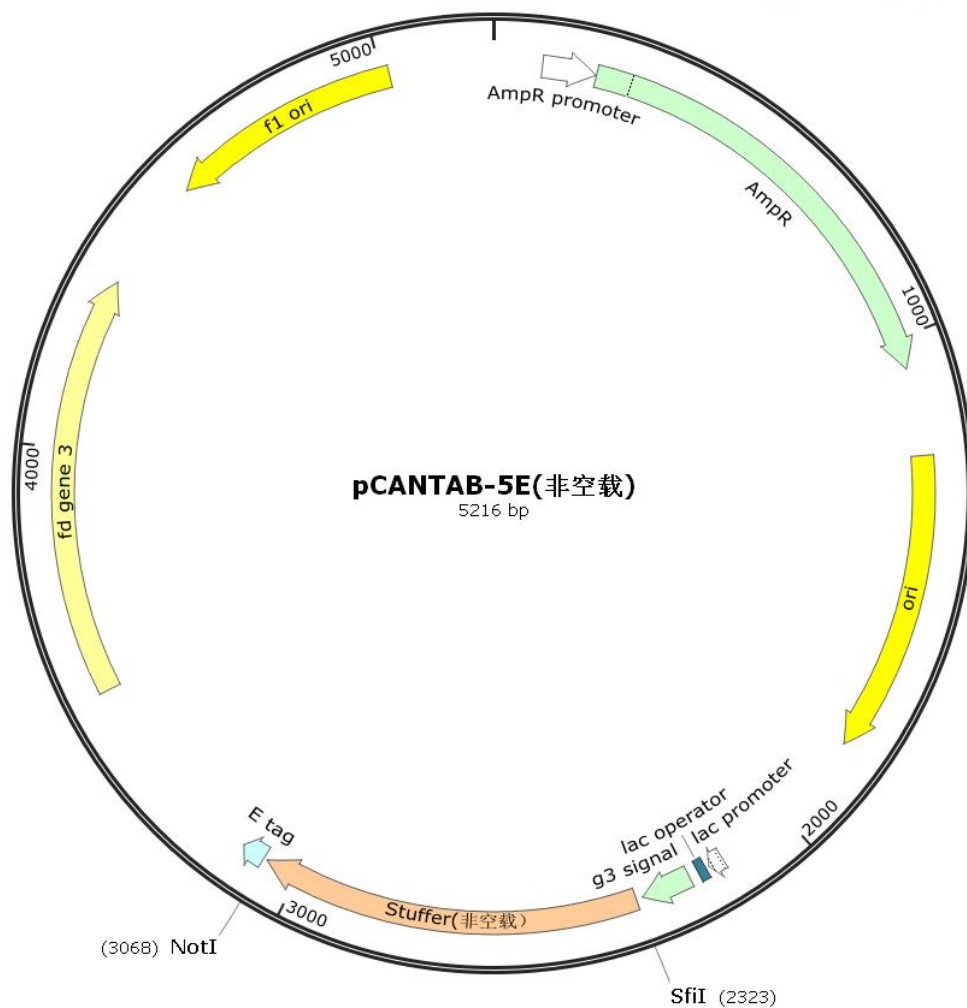


## 基本信息

启动子:	Lac/lac promoter
平台编号:	bio-135033
质粒大小:	5216bp
质粒标签:	N-g3 signal, C-E tag
原核抗性:	氨苄青霉素 Amp
克隆菌株:	大肠杆菌 Stbl3
培养条件:	37°C, 有氧, LB

## 质粒简介

## 质粒图谱





## 质粒序列

```
LOCUS       Exported                               5216 bp ds-DNA   circular SYN
27-OCT-2017
DEFINITION  synthetic circular DNA
KEYWORDS    pCANTAB-5E (非空载)
SOURCE      synthetic DNA construct
  ORGANISM  synthetic DNA construct
REFERENCE   1 (bases 1 to 5216)
  AUTHORS   .
  TITLE     Direct Submission
FEATURES             Location/Qualifiers
     source           1..5216
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                     /mol_type="other DNA"
     promoter         96..200
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     CDS              201..1061
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                     /gene="bla"
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                     /label=AmpR
                     /note="confers resistance to ampicillin,
carbenicillin, and
related antibiotics"
                     /translation="MSIQHFRVALIPFFAAFCCLPVFAHPETLVKVK
DAEDQLGARVGYI
ELDLSNGKILESFRPEERFPMSTFKVLLCGAVLSRIDAGQEQLGR
RIHYSQNDLVEYS
PVTEKHLTDGMTVRELCSAAITMSDNTAANLLLLTTIGGPKELTAFL
HNMGDHSVTRLDRW
EPELNEAIPNDERDITMPVAMATTLRKLLTGELLTLASRQQLIDWM
EADKVAGPLLRSA
LPAGWFIADKSGAGERGSRGIIAALGPDGKPSRIVVIYTTGSQATM
DERNRQIAEIGAS
LIKHW"
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origin of
```



```
replication"
promoter      2144..2174
              /label=lac promoter
              /note="promoter for the E. coli lac operon"
protein_bind  2182..2198
              /label=lac operator
              /bound_moiety="lac repressor encoded by lacI"
              /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)."
misc_feature  2218..2315
              /label=g3 signal
misc_feature  2329..3066
              /label=Stuffer(非空载)
misc_feature  3075..3120
              /label=E tag
CDS           3520..4338
              /codon_start=1
              /label=fd gene 3
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GGGSEGGGSEGGG
              SEGGGSEGGGSGGGSGGDFDYEKMANANKGAMTENADENALQSDA
KGKLDVATDYGA
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YLPQLPQSVECRP
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NKES"
rep_origin    complement(4560..5015)
              /direction=LEFT
              /label=f1 ori
              /note="f1 bacteriophage origin of replication;
arrow
              indicates direction of (+) strand synthesis"
ORIGIN
1 gacgaaaggg ctcctgata cgcctat ttt tatagggttaa tgtcatgata
ataatggttt
```



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61 cttagacgtc aggtggcact tttcggggaa atgtgcgcg g aaccctatt  
tgtttatttt  
121 tctaaataca ttcaaatacg tatccgctca tgagacaata accctgataa  
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cttaaaaaatg



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2581 aacagtctcc aaactgatga cacagccatg tactactgtg ccagaaactg  
gggcagctac  
2641 tggacttcg atgtctgggg ccaaggccac ggtcacgctc tcctcagtgg  
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