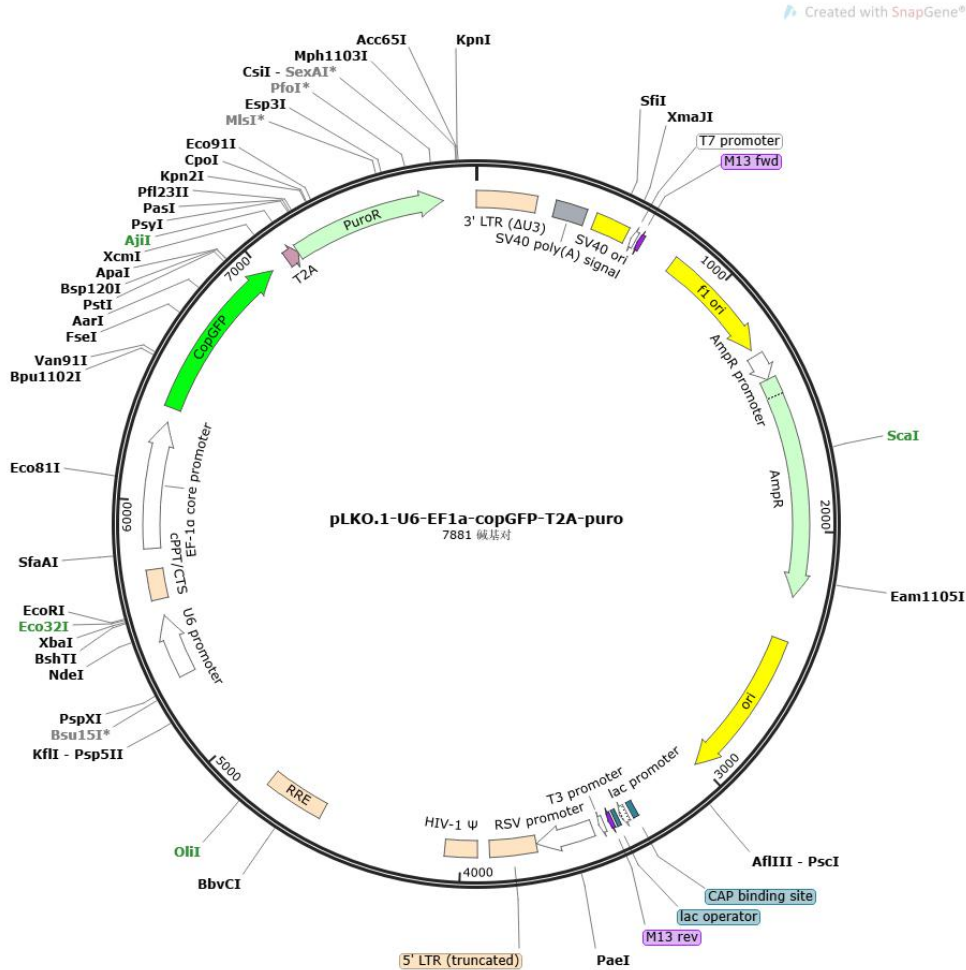




## pLK0.1-U6-EF1a-copGFP-T2A-puro Vector Information



载体名称:	pLK0.1-U6-EF1a-copGFP-T2A-puro
质粒类型:	慢病毒载体; RNAi 载体
表达水平:	高拷贝
启动子:	U6 promoter
克隆方法:	多克隆位点, 限制性内切酶
克隆位点:	AgeI, EcoRI
载体大小:	7881bp
5' 测序引物及序列:	U6: ATGGACTATCATATGCTTACCGTA
3' 测序引物及序列:	pLK0-seq-R: GCGGCCAAAGTGGATCTCTG
载体标签:	copGFP
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:	慢病毒
克隆菌株:	Stbl3

MCS 区:



LOCUS pLK0.1-U6-EF1a-copGFP-T2A-puro 7881 bp DNA circular SYN

02-JUN-2023

DEFINITION .

ACCESSION .

VERSION .

KEYWORDS pLK0.1-U6-EF1a-copGFP-T2A-puro

SOURCE synthetic DNA construct

ORGANISM recombinant plasmid

REFERENCE 1 (bases 1 to 7881)

AUTHORS 12

TITLE Direct Submission

JOURNAL Exported Jun 2, 2023 from SnapGene 6.0.2

<https://www.snapgene.com>

FEATURES Location/Qualifiers

source 1..7881  
/mol\_type="other DNA"  
/organism="recombinant plasmid"

LTR 1..234  
/label=3' LTR (Delta-U3)  
/note="self-inactivating 3' long terminal repeat (LTR) from HIV-1"  
/note="color: #ffe4c4"

polyA\_signal 306..427  
/label=SV40 poly(A) signal  
/note="SV40 polyadenylation signal"  
/note="color: #a6acb3"

rep\_origin 467..602  
/label=SV40 ori  
/note="SV40 origin of replication"  
/note="color: #ffff00"

promoter complement(623..641)  
/label=T7 promoter  
/note="promoter for bacteriophage T7 RNA polymerase"  
/note="color: #ffffff; direction: LEFT"

primer\_bind complement(651..667)  
/label=M13 fwd  
/note="common sequencing primer, one of multiple similar"



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/note="color: #a020f0; direction: LEFT"
rep_origin 809..1264
/direction=RIGHT
/label=f1 ori
/note="f1 bacteriophage origin of replication; arrow
indicates direction of (+) strand synthesis"
/note="color: #ffff00"
promoter 1290..1394
/gene="bla"
/label=AmpR promoter
/note="color: #ffffff; direction: RIGHT"
CDS 1395..2255
/codon_start=1
/gene="bla"
/product="beta-lactamase"
/label=AmpR
/note="confers resistance to ampicillin, carbenicillin, and
related antibiotics"
/note="This feature has 2 segments:
  1: 1395 .. 1463 / #ccffcc / signal sequence
  2: 1464 .. 2255 / #ccffcc
Cleavage site after base 1463"
/translation="MSIQHFRVALIPFFAAFCLPVFAHPETLVKVKDAEDQLGARVGYI
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LIKHW"
rep_origin 2426..3014
/direction=RIGHT
/label=ori
/note="high-copy-number ColE1/pMB1/pBR322/pUC origin of
replication"
/note="color: #ffff00"
protein_bind 3302..3323
/label=CAP binding site
/bound_moiety="E. coli catabolite activator protein"
/note="CAP binding activates transcription in the presence
of cAMP."
/note="color: #31849b"
promoter 3338..3368
/label=lac promoter
/note="promoter for the E. coli lac operon"
```



---

```
/note="This forward directional feature has 3 segments:
  1: 3338 .. 3343 / #ffffff / -35
  2: 3344 .. 3361 / #ffffff
  3: 3362 .. 3368 / #ffffff / -10"
protein_bind 3376..3392
/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)."
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primer_bind 3400..3416
/label=M13 rev
/note="common sequencing primer, one of multiple similar
variants"
/note="color: #a020f0; direction: RIGHT"
promoter 3437..3455
/label=T3 promoter
/note="promoter for bacteriophage T3 RNA polymerase"
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promoter 3483..3709
/label=RSV promoter
/note="Rous sarcoma virus enhancer/promoter"
/note="color: #ffffff; direction: RIGHT"
LTR 3710..3890
/label=5' LTR (truncated)
/note="truncated 5' long terminal repeat (LTR) from HIV-1"
/note="color: #ffe4c4"
misc_feature 3937..4062
/label=HIV-1 Psi
/note="packaging signal of human immunodeficiency virus
type 1"
/note="color: #ffe4c4"
misc_feature 4555..4788
/label=RRE
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Rev-dependent mRNA export from the nucleus to the
cytoplasm."
/note="color: #ffe4c4"
promoter 5315..5555
/label=U6 promoter
/note="RNA polymerase III promoter for human U6 snRNA"
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promoter        5818..6310
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                plumata, also known as ppluGFP2 (Shagin et al., 2004)"
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                polypeptides."
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                Cleavage site after base 7151"
                /translation="EGRGSLTCGDVEENPGP"

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                /product="puromycin N-acetyltransferase"
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ORIGIN

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//