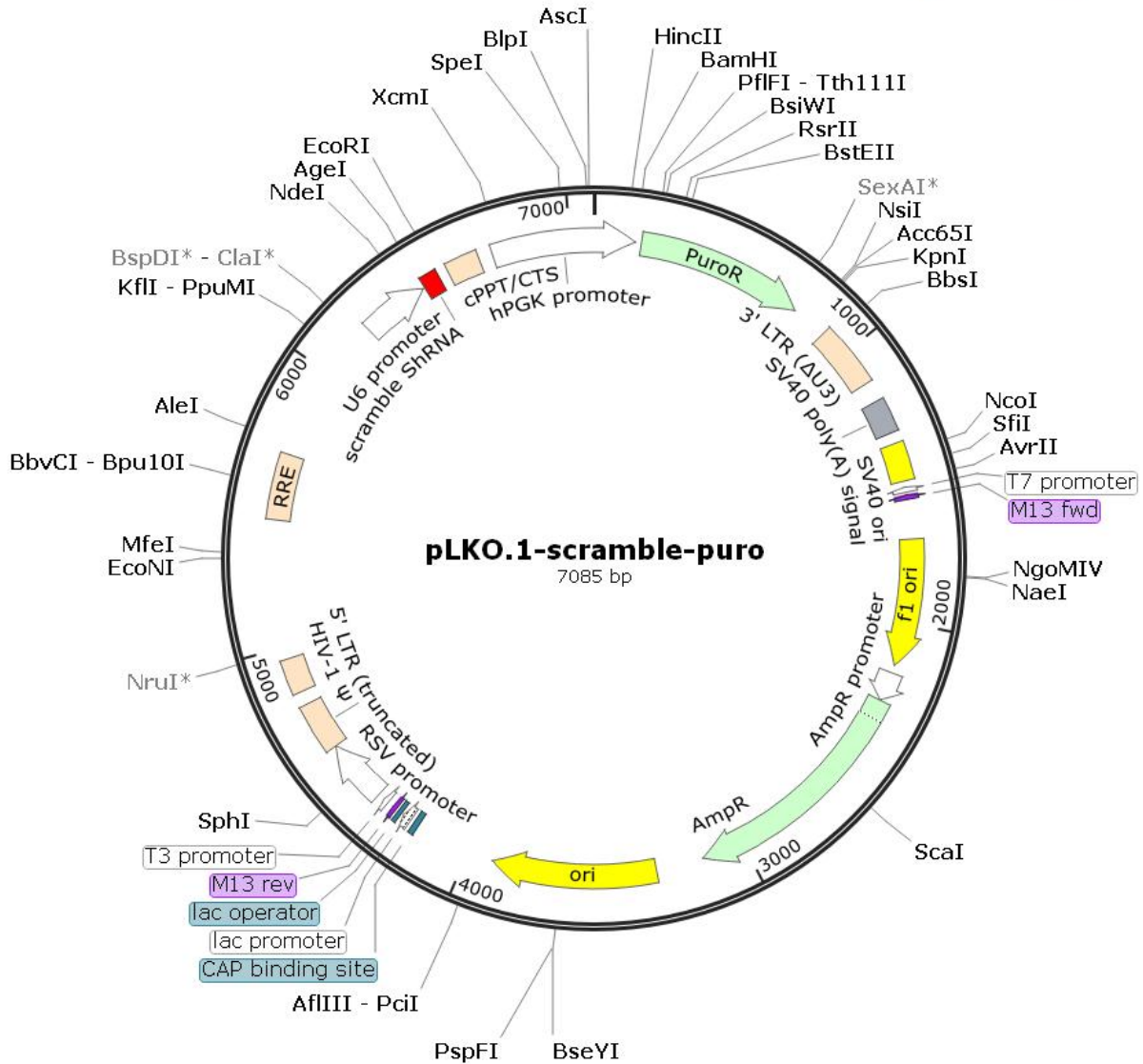




## pLKO.1-scramble-puro Vector Information



载体名称:	pLKO.1-scramble-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:	7085bp
5' 测序引物及序列:	U6: ATGGACTATCATATGCTTACCGTA
3' 测序引物及序列:	pLKO-seq-R : GCGCCAAAGTGGATCTCTG
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: 慢病毒  
 克隆菌株: Stb13

MCS 区:



LOCUS Exported 7085bp ds-DNA circular SYN 16-MAY-2019  
 DEFINITION synthetic circular DNA  
 ACCESSION .  
 VERSION .  
 KEYWORDS pLKO.1-scramble-puro  
 SOURCE synthetic DNA construct  
 ORGANISM synthetic DNA construct  
 REFERENCE 1 (bases 1 to 7085)  
 AUTHORS .  
 TITLE Direct Submission  
 JOURNAL Exported Friday, June 21, 2019 from SnapGene 3.2.1  
<http://www.snapgene.com>

FEATURES Location/Qualifiers  
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 /mol\_type="other DNA"  
 CDS 169..768  
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 /note="confers resistance to puromycin"  
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 AQQMEGLLAPHRPKEPAWFLATVGVSPDHQKGLGSAVVLPGVEAAERAGVPAFLETS  
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 LTR 896..1129



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/note="3' LTR (Delta-U3)"
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/note="SV40 polyadenylation signal"
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promoter complement(1518..1536)
/note="T7 promoter"
/note="promoter for bacteriophage T7 RNA polymerase"
primer_bind complement(1546..1562)
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LIKHW"
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	/note="CAP binding activates transcription in the presence of cAMP."
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	/note="promoter for the E. coli lac operon"
protein_bind	4271..4287
	/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)."
primer_bind	4295..4311
	/note="M13 rev"
	/note="common sequencing primer, one of multiple similar variants"
promoter	4332..4350
	/note="T3 promoter"
	/note="promoter for bacteriophage T3 RNA polymerase"
promoter	4378..4604
	/note="RSV promoter"
	/note="Rous sarcoma virus enhancer/promoter"
LTR	4605..4785
	/note="5' LTR (truncated)"
	/note="truncated 5' long terminal repeat (LTR) from HIV-1"
misc_feature	4832..4957
	/note="HIV-1 Psi"
	/note="packaging signal of human immunodeficiency virus type 1"
misc_feature	5450..5683
	/note="RRE"
	/note="The Rev response element (RRE) of HIV-1 allows for Rev-dependent mRNA export from the nucleus to the cytoplasm."
promoter	6210..6450
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	/note="RNA polymerase III promoter for human U6 snRNA"
misc_feature	6457..6519
	/note="scramble ShRNA"
misc_feature	6556..6673
	/note="cPPT/CTS"
	/note="central polypurine tract and central termination sequence of HIV-1"



promoter 6722..147  
/note="hPGK promoter"  
/note="human phosphoglycerate kinase 1 promoter"

ORIGIN

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121 GACCGAATCA CCGACCTCTC TCCCCAGGGG GATCCACCGG AGCTTACCAT GACCGAGTAC
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781 GACCCGCAGC GCCCGACCGA AAGGAGCGCA CGACCCCATG CATCGGTACC TTTAAGACCA
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