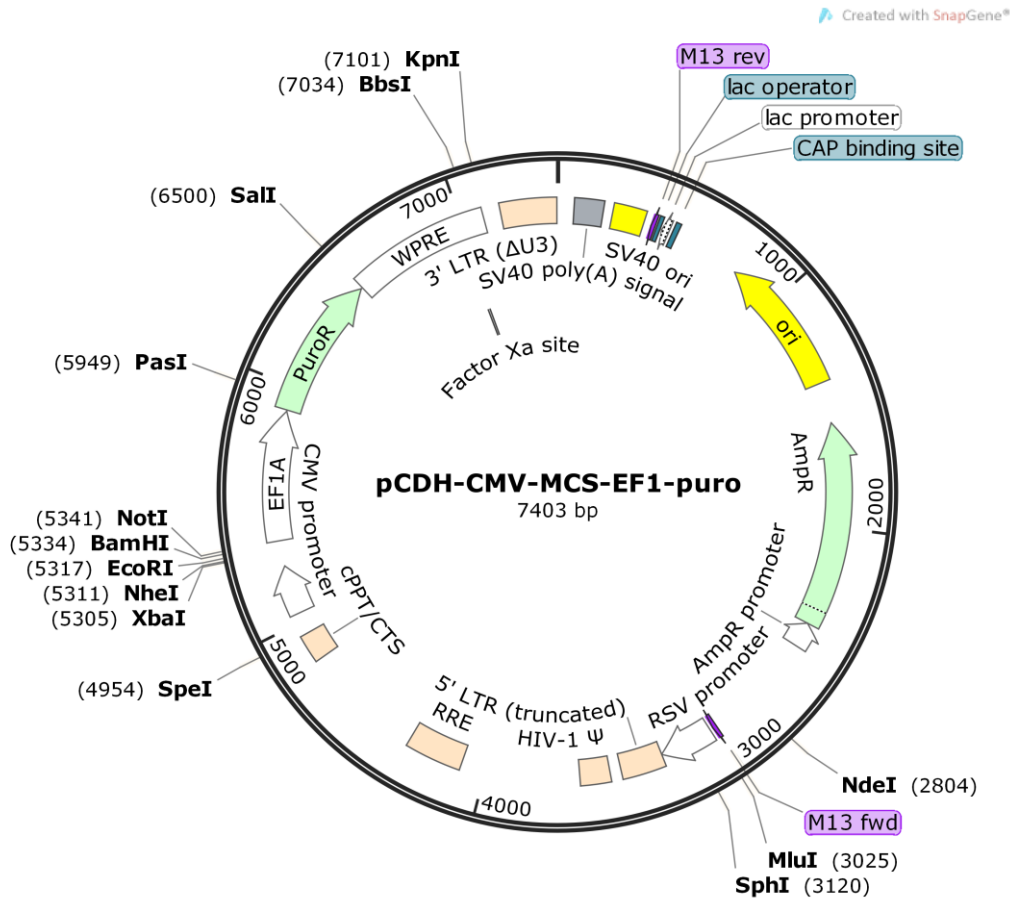




## pCDH-CMV-MCS-EF1-puro Vector Information



载体名称: pCDH-CMV-MCS-EF1-puro  
 质粒类型: 慢病毒系统载体; RNAi  
 表达水平: 高拷贝  
 启动子: CMV promoter  
 克隆方法: 多克隆位点, 限制性内切酶  
 克隆位点: MCS  
 载体大小: 7403bp  
 5' 测序引物及序列: CMV-F: CGCAATGGGCGGTAGGCGTG  
 3' 测序引物及序列: pCDH-EF1a-R(xiechen): ACACgACATCACTTTCCCAg  
 载体标签: —  
 载体抗性: Amp  
 筛选标记: 嘌呤霉素 (Puromycin)

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: 病毒  
 克隆菌株: Stbl3

MCS 区:



LOCUS Exported 7403bp ds-DNA circular SYN 11-JUN-2018  
 DEFINITION synthetic circular DNA  
 ACCESSION .  
 VERSION .  
 KEYWORDS pCDH-CMV-MCS-EF1-puro  
 SOURCE synthetic DNA construct  
 ORGANISM synthetic DNA construct  
 REFERENCE 1 (bases 1 to 7403)  
 AUTHORS aaaaaa  
 TITLE Direct Submission  
 JOURNAL Exported Friday, June 21, 2019 from SnapGene 3.2.1  
<http://www.snapgene.com>

FEATURES Location/Qualifiers  
 source 1..7403  
 /organism="synthetic DNA construct"  
 /mol\_type="other DNA"  
 polyA\_signal 70..191  
 /note="SV40 poly(A) signal"  
 /note="SV40 polyadenylation signal"  
 rep\_origin 231..366  
 /note="SV40 ori"  
 /note="SV40 origin of replication"  
 primer\_bind complement(399..415)  
 /note="M13 rev"  
 /note="common sequencing primer, one of multiple similar variants"  
 protein\_bind 423..439  
 /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)."  
 promoter complement(447..477)



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protein\_bind 492..513  
/note="lac promoter"  
/note="promoter for the E. coli lac operon"  
/bound\_moiety="E. coli catabolite activator protein"  
/note="CAP binding site"  
/note="CAP binding activates transcription in the presence of cAMP."

rep\_origin complement(801..1389)  
/direction=LEFT  
/note="ori"  
/note="high-copy-number ColE1/pMB1/pBR322/pUC origin of replication"

CDS complement(1560..2420)  
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/product="beta-lactamase"  
/note="AmpR"  
/note="confers resistance to ampicillin, carbenicillin, and related antibiotics"  
/translation="MSIQHFRVALIPFFAAFCLPVFAHPETLVKVKDAEDQLGARVGYI  
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LIKHW"

promoter complement(2421..2525)  
/gene="bla"  
/note="AmpR promoter"

primer\_bind 2999..3015  
/note="M13 fwd"  
/note="common sequencing primer, one of multiple similar variants"

misc\_feature 3030..3256  
/note="RSV promoter"

LTR 3257..3437  
/note="5' LTR (truncated)"  
/note="truncated 5' long terminal repeat (LTR) from HIV-1"

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/note="HIV-1 Psi"  
/note="packaging signal of human immunodeficiency virus type 1"

misc\_feature 4102..4335  
/note="RRE"  
/note="The Rev response element (RRE) of HIV-1 allows for



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Rev-dependent mRNA export from the nucleus to the
cytoplasm."
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              sequence of HIV-1"
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              promoter"
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CDS          5900..6499
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              /note="woodchuck hepatitis virus posttranscriptional
              regulatory element"
CDS          complement (6977..6988)
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              /note="Factor Xa site"
              /translation="IEGR"
LTR          7168..7401
              /note="3' LTR (Delta-U3)"
              /note="self-inactivating 3' long terminal repeat (LTR) from
              HIV-1"

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ORIGIN

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61 AGTGAGAGGA ACTTGTTTAT TGCAGCTTAT AATGGTTACA AATAAAGCAA TAGCATCACA
121 AATTTACAAA ATAAAGCATT TTTTCACTG CATTCTAGTT GTGGTTTGTC CAAACTCATC
181 AATGTATCTT ATCATGTCTG GCTCTAGCTA TCCCGCCCCT AACTCCGCC ATCCCGCCCC
241 TAACTCCGCC CAGTTCCGCC CATTCTCCGC CCCATGGCTG ACTAATTTTT TTTATTTATG
301 CAGAGGCCGA GGCCGCCTCG GCCTCTGAGC TATTCCAGAA GTAGTGAGGA GGCTTTTTTG
361 GAGGCCTAGA CTTTTGCAGA GACCAAATTC GTAATCATGT CATAGCTGTT TCCTGTGTGA
421 AATTGTTATC CGCTCACAAT TCCACACAAC ATACGAGCCG GAAGCATAAA GTGTAAAGCC

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1621 GTTGCTGAC TCCCGTCTG GTAGATAACT ACGATACGGG AGGGCTTACC ATCTGGCCCC  
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