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LOCUS       Exported                               12099 bp ds-DNA   circular SYN 06-
NOV-2020
DEFINITION  synthetic circular DNA
ACCESSION   .
VERSION     .
KEYWORDS    pACT-dCas9-VPR-EFS-Puromycin
SOURCE      synthetic DNA construct
  ORGANISM  synthetic DNA construct
REFERENCE   1 (bases 1 to 12099)
  AUTHORS   Hao
  TITLE     Direct Submission
  JOURNAL   Exported Friday, Nov 6, 2020 from SnapGene 5.2.1
            https://www.snapgene.com
FEATURES             Location/Qualifiers
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                     /organism="synthetic DNA construct"
                     /mol_type="other DNA"
     misc_feature     23..667
                     /label=CMV-LTR
  
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                  type 1"
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allows for
                  Rev-dependent mRNA export from the nucleus to the
                  cytoplasm."
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                  /label=cPPT/CTS
                  /note="central polypurine tract and central
termination
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misc_feature      2302..2534
                  /label=EFS promoter
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CDS               2542..6645
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                  /product="catalytically dead mutant of the Cas9
                  endonuclease from the Streptococcus pyogenes Type II
                  CRISPR/Cas system"
                  /label=Cas9m4
                  /note="RNA-guided DNA-binding protein that lacks
                  endonuclease activity due to the mutations D10A,
D839A,
                  H840A, and N863A (Mali et al., 2013)"

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1998) "
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also known as p65 (O'Shea and Perkins, 2008)"
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transcription activator Rta/BRLF1 (Hardwick et al.,
1992;
Chavez et al., 2015)"
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between the Gly and Pro residues, yielding separate
polypeptides."
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/note="confers resistance to puromycin"

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QQQMEGLLAPHRPKPEAWFLATVGVSPDHQ GKGLGSAVVLPGV EAAERAGVPAFLE TSA
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regulatory element"
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(LTR) from
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                   /label=SV40
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                   related antibiotics"

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promoter           complement(11965..12069)
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