



LOCUS	Exported	8180 bp ds-DNA	circular SYN 30-
OCT-2020			
DEFINITION	synthetic circular DNA		
ACCESSION	.		
VERSION	.		
KEYWORDS	pZIP-hCMV-ZsGreen-Blasticidin		
SOURCE	synthetic DNA construct		
ORGANISM	synthetic DNA construct		
REFERENCE	1 (bases 1 to 8180)		
AUTHORS	.		

TITLE Direct Submission
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<https://www.snapgene.com>

FEATURES Location/Qualifiers

source 1..8180
/organism="synthetic DNA construct"
/mol_type="other DNA"

enhancer 27..404
/label=CMV enhancer
/note="human cytomegalovirus immediate early
enhancer"

LTR 411..668
/label=5' LTR (truncated)
/note="truncated 5' long terminal repeat (LTR) from
HIV-1"

misc_feature 715..840
/label=HIV-1 Psi
/note="packaging signal of human immunodeficiency
virus

misc_feature type 1"
1337..1570
/label=RRE
/note="The Rev response element (RRE) of HIV-1
allows for

Rev-dependent mRNA export from the nucleus to the
cytoplasm."

misc_feature 2062..2178
/label=cPPT/CTS
/note="central polypurine tract and central
termination

misc_feature sequence of HIV-1 (lacking the first T)"
2213..2214
/label=MCS

enhancer 2235..2538
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enhancer"

promoter 2539..2742
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/note="human cytomegalovirus (CMV) immediate early
promoter"

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                    /label=3'-UltramiR
    misc_feature     4754..4775
                    /label=For 5' for Pool qPCR
                    /note="Twelve replicate reactions containing 825 ng
gDNA
cycle
was
number of
product
serially
An
served as
using
                    were amplified and each carried out to a different
                    number from 15-27. Each replicate reaction vessel
                    placed on ice immediately after the designated
                    cycles completed to arrest the reaction. 10 µl of
                    from each reaction was analyzed using agarose gel
                    electrophoresis. An aliquot of each product was
                    diluted 25 000-, 100 000- and 400 000-fold in water.
                    aliquot from each dilution of each PCR replicate
                    template for SYBR qPCR reactions that were prepared
                    Absolute Blue qPCR SYBR Green master mix (Thermo

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Scientific, Epsom, UK) and primers that amplify
common sequence of the shRNA barcode PCR products
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of 127 bp."
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/note="self-inactivating 3' long terminal repeat
(LTR) from HIV-1"
promoter 6010..6339
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rep_origin 6190..6325
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/note="SV40 origin of replication"
rep_origin complement(6428..7013)
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CDS complement(7184..8044)
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