



Plasmid name: CSIV-TRE-RfA-CMV-KT

Plasmid size: 11988 bp

Note

CMV: Human cytomegalovirus immediate early promoter

ψ: Packaging signal

5'SD: 5' splicing donor site

3'SA: 3' splicing acceptor site

RRE: Rev responsive element

cPPT: Central polypurine tract

CTS: Central termination sequence

TRE P: Tet-responsive promoter (TRE-Tight)

RfA: Gateway Reading Frame Cassette A containing Cm, *ccdB*, attR1, and attR2

Cm: Chloramphenicol resistance gene

ccdB: The *ccdB* gene encodes a protein that interferes with *E. coli* DNA gyrase

attR1, 2: Sites for site-specific recombination with a Gateway vector (Invitrogen). attR sites always recombine with attL sites in a reaction mediated by the LR Clonase (Invitrogen).

hKO1: Humanized Kusabira-Orange

T2A: *Thosea asigna* virus 2A peptide sequence

rtTA: Reverse Tet-controlled transactivator protein (Tet-On-Advanced)

PRE: Woodchuck hepatitis virus posttranscriptional regulatory element

del U3: Deletion of enhancer and promoter sequences in the U3 region

loxP: Site-specific recombination site for Cre recombinase

BGH pA: Bovine growth hormone polyadenylation signal

SV40 pro & ori: SV40 early promoter and origin

Zeo: Zeocin resistance gene

SV40 pA: SV40 polyadenylation signal

Amp: Ampicillin resistance gene

*Use the DB3.1 or *ccdB* Survival 2 T1R *E. coli* strain for propagation of plasmids containing the *ccdB* gene.