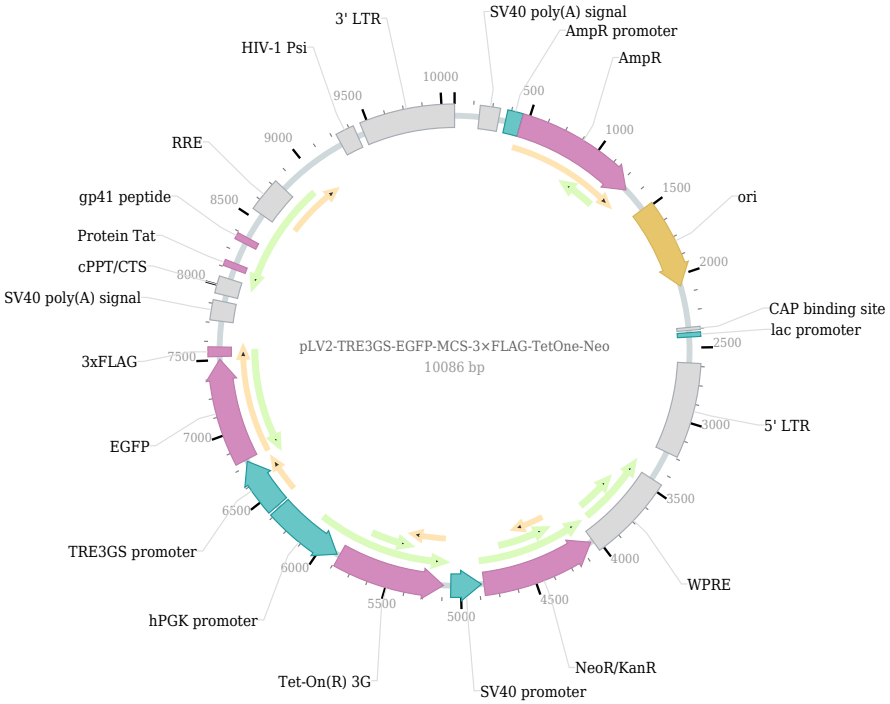
pLV2-TRE3GS-EGFP-MCS-3×FLAG-TetOne-Neo

Vector ID	V015051
Antibiotic Resistance	Ampicillin
Length	10086 bp
Vector Type	Protein expression, Tetracycline inducible
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Neo/G418
Promoter	hPGK
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pLV2-TRE3GS-EGFP-MCS-3xFLAG-TetOne-Neo is an all-in-one doxycycline-inducible lentiviral vector: constitutive Tet-On 3G activates the TRE3GS promoter (7xTetO-minimal CMV), which drives an EGFP-MCS-3xFLAG cassette for inducible reporter and tagged-gene expression. Neomycin (G418) resistance supports stable inducible line generation; AmpR, Stbl3.

Vector Map



Plasmid Resuspension Protocol

1. Centrifuge at 5,000×g for 5 min.
2. Carefully open the tube and add sterile water to dissolve the DNA: add 20 µl for 5 µg plasmid, and 100 µl for 100 µg plasmid.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin to concentrate the liquid at the bottom. Speed is less than 5000×g.
5. Store the plasmid at -20 ℃.