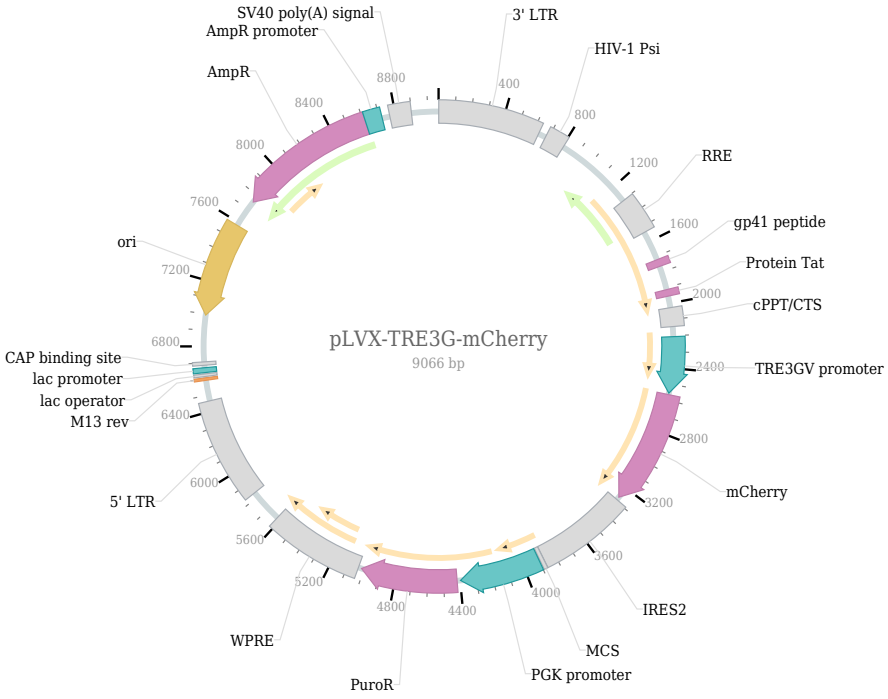
pLVX-TRE3G-mCherry

Vector ID	V010414
Antibiotic Resistance	Ampicillin
Length	9066 bp
Vector Type	Viral Expression & Packaging Vectors

Product Information

Replication Origin	ori
Source/Author	Clontech
Copy Number	High copy number
Promoter	mPGK
Growth Strain(s)	Stbl3
Comment	pLVX-TRE3G-mCherry is a third-generation (Tet-On 3G) doxycycline-inducible lentiviral vector. It contains a TRE3G promoter driving mCherry fluorescent protein expression. Requires co-expression of rtTA3G transactivator for induction; in the presence of doxycycline, rtTA3G binds TRE3G and activates mCherry transcription.

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 ℃.