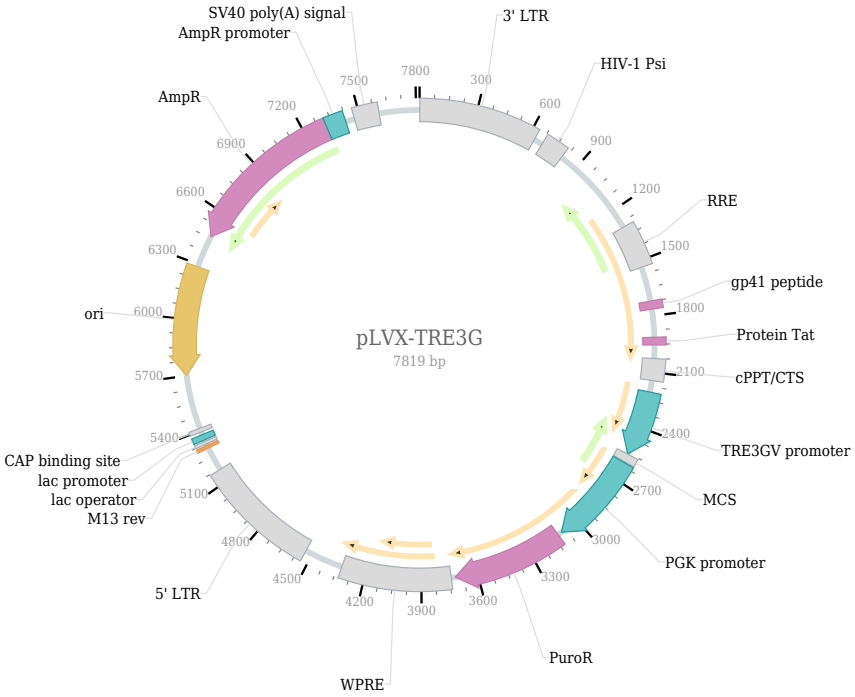
pLVX-TRE3G

Vector ID	V010412
Antibiotic Resistance	Ampicillin
Length	7819 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
Growth Temperature	37℃
Comment	pLVX-TRE3G is a Clontech self-inactivating lentiviral vector whose TRE3Gv promoter—seven tet operator sites upstream of a minimal CMV promoter—drives doxycycline-regulated transgene expression. It must partner with pLVX-Tet3G, which constitutively expresses the rtTAv10 transactivator. Dox binding triggers rtTA3G–TRE3G interaction, achieving ~100-fold more sensitive, tightly switchable expression in difficult-to-transfect cells.

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 ℃.