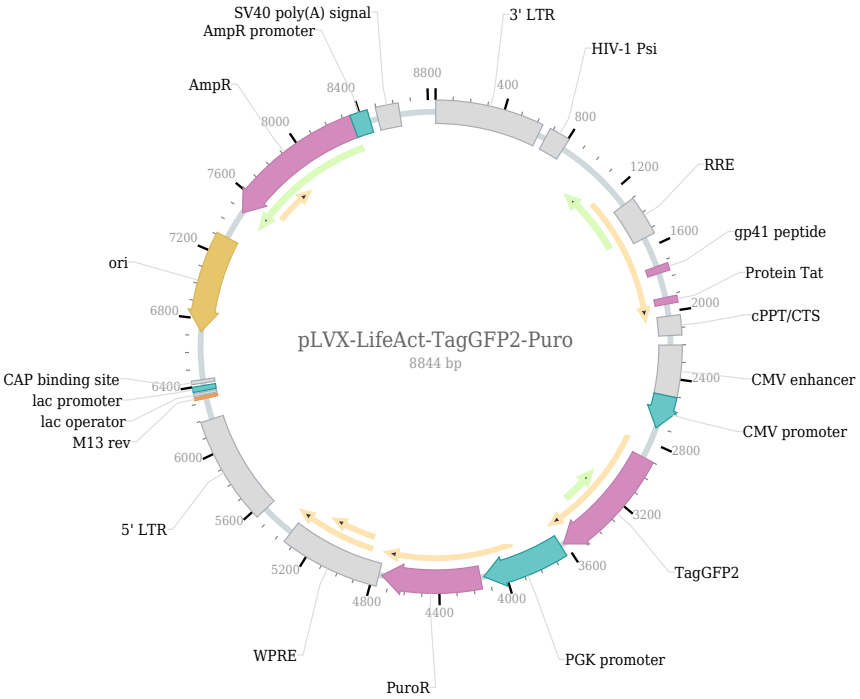
pLVX-LifeAct-TagGFP2-Puro

Vector ID	V013426
Antibiotic Resistance	Ampicillin
Length	8844 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Puro
Promoter	mPGK
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	This is a lentiviral vector (8844 bp) expressing LifeAct-TagGFP2 for visualizing F-actin. The fusion gene is driven by a CMV promoter, while a PGK promoter controls the PuroR gene for antibiotic selection. Key elements include HIV-1 LTRs, RRE, Tat, and cPPT/CTS to ensure high-efficiency viral transduction and integration. It also contains an AmpR/ori cassette for bacterial amplification.

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 ℃.