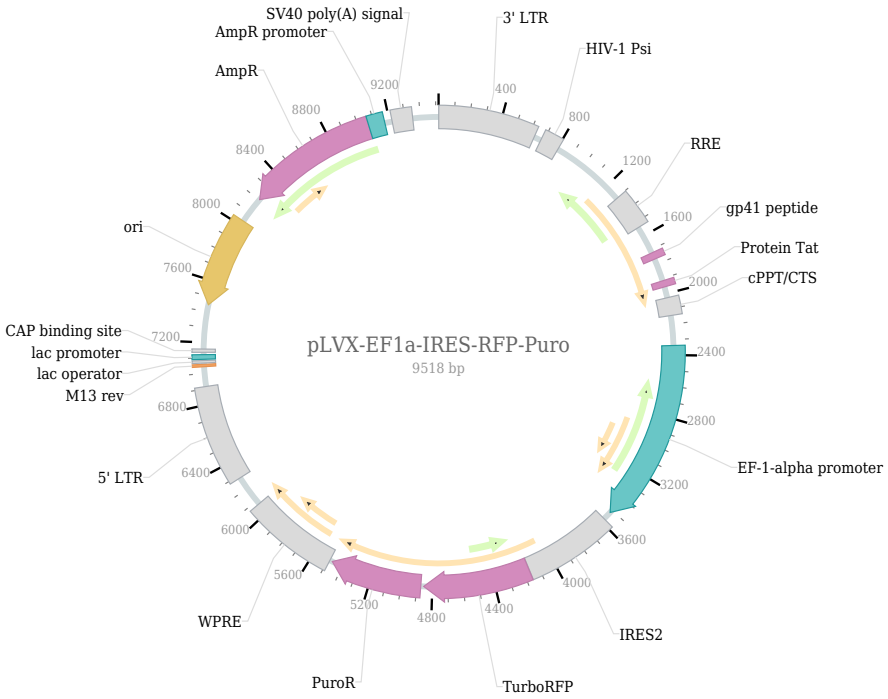
pLVX-EF1a-IRES-RFP-Puro

Vector ID	V013357
Antibiotic Resistance	Ampicillin
Length	9518 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Puro
Promoter	EF-1α
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	pLVX-EF1a-IRES-RFP-Puro is a lentiviral expression vector designed for constitutive co-expression of a red fluorescent protein (RFP) and a puromycin resistance gene in mammalian cells. It utilizes the EF1α promoter to drive a bicistronic transcript linked by an IRES element. The vector includes elements like WPRE and cPPT/CTS to enhance viral titer and transduction efficiency. It carries an ampicillin resistance gene for bacterial propagation and is approximately 8.8 kb in size.

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 ℃.