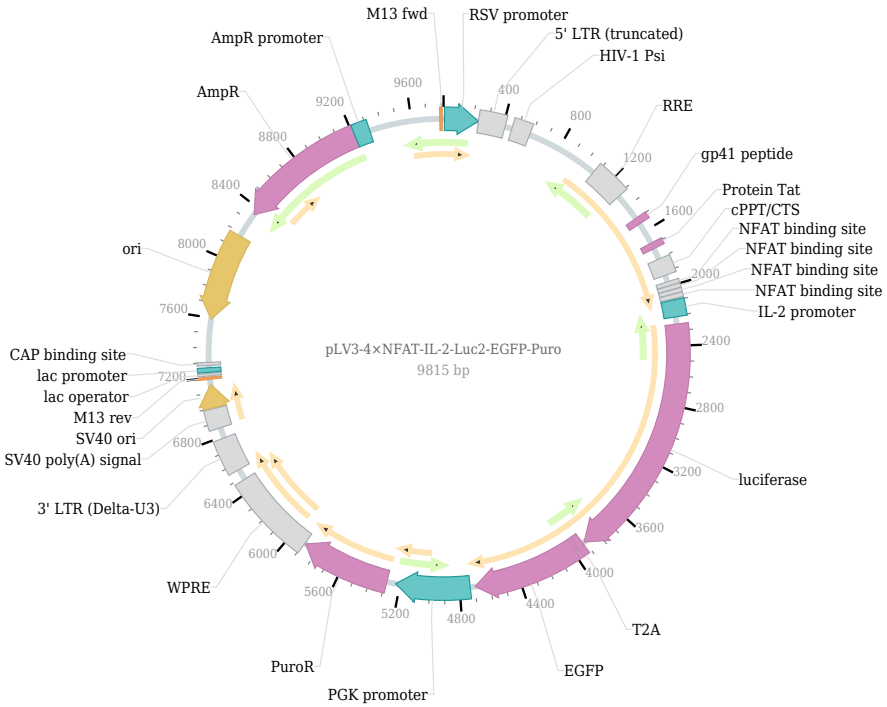
pLV3-4×NFAT-IL-2-Luc2-EGFP-Puro

Vector ID	V014695
Antibiotic Resistance	Ampicillin
Length	9815 bp
Vector Type	Luciferase reporter
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Puro
Promoter	RSV
Growth Strain(s)	stbl3
Growth Temperature	37℃
Comment	pLV3-4×NFAT-IL-2-Luc2-EGFP-Puro is a lentiviral vector for inducible gene expression in mammalian cells. It contains a T-cell activation-inducible promoter (4×NFAT-IL-2) driving Luc2 luciferase and EGFP, allowing reporter expression upon stimulation. It includes an ampicillin resistance gene for bacterial selection and a puromycin marker for mammalian 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 ℃.