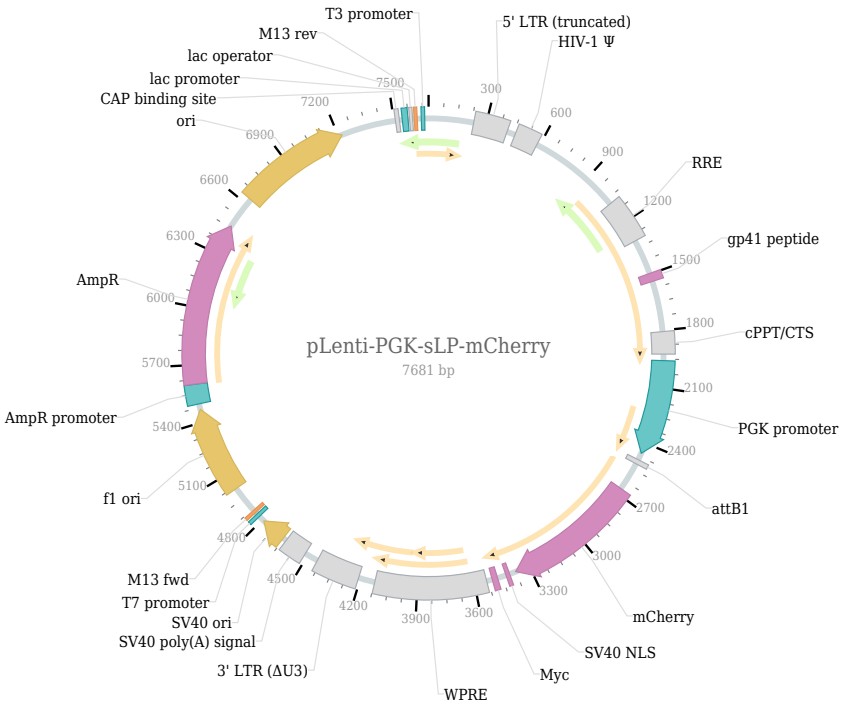
pLenti-PGK-sLP-mCherry

Vector ID	V040776
Antibiotic Resistance	Ampicillin
Length	7681 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	mCherry
Copy Number	High
Promoter	PGK
3' Primer	WPRE-R
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Expression Method	Constiutive, Stable / Transient
Comment	pLenti-PGK-sLP-mCherry is the Cherry-niche labeling lentiviral vector. It encodes mCherry fused to a soluble peptide and a modified lipo-permeable TATk peptide, driven by the mouse PGK promoter. Cancer cells secrete sLP-mCherry, which neighboring host cells take up, enabling spatial identification of the metastatic niche.

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 ℃.