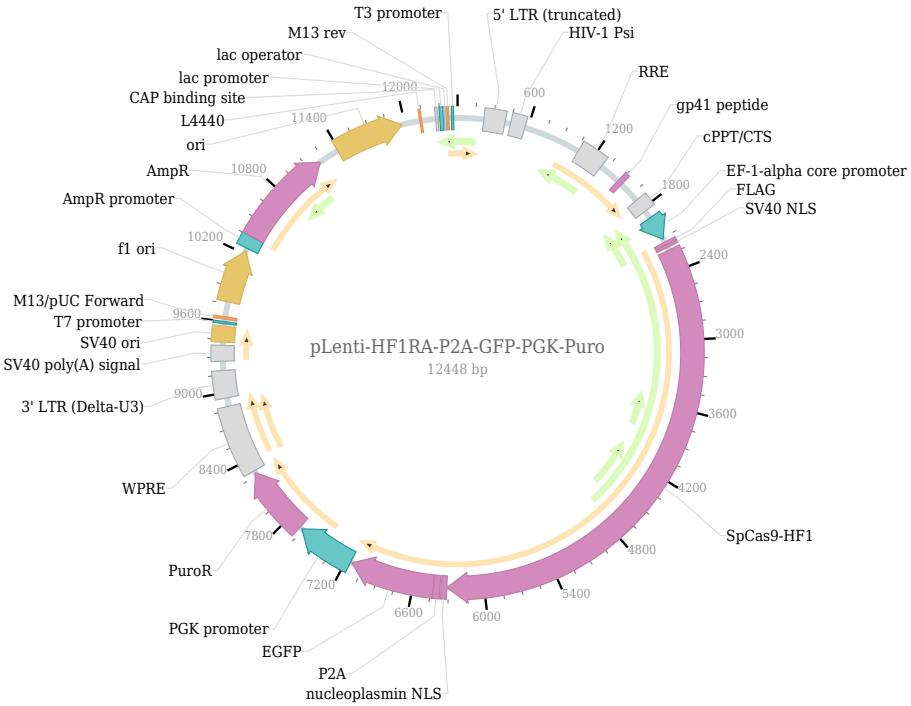
pLenti-HF1RA-P2A-GFP-PGK-Puro

Vector ID	V000377
Antibiotic Resistance	Ampicillin
Length	12448 bp
Vector Type	Lentiviral

Product Information

Replication Origin	ori
Selection Marker	Puromycin ; GFP
Copy Number	Low Copy
Promoter	mPGK
Cloning Method	Gibson Cloning
5' Primer	TAAGTGCAGTAGTCGCCGTG
3' Primer	TTAAGAATACCAGTCAATCTTTC
Growth Strain(s)	Stbl3
Comment	pLenti-HF1RA-P2A-GFP-PGK-Puro is a lentiviral vector engineered for the expression of high-fidelity Cas9-HF1RA. It enables efficient genome editing through co-expression of GFP monitored by the P2A peptide, with puromycin resistance screening driven by the PGK promoter.

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 ℃.