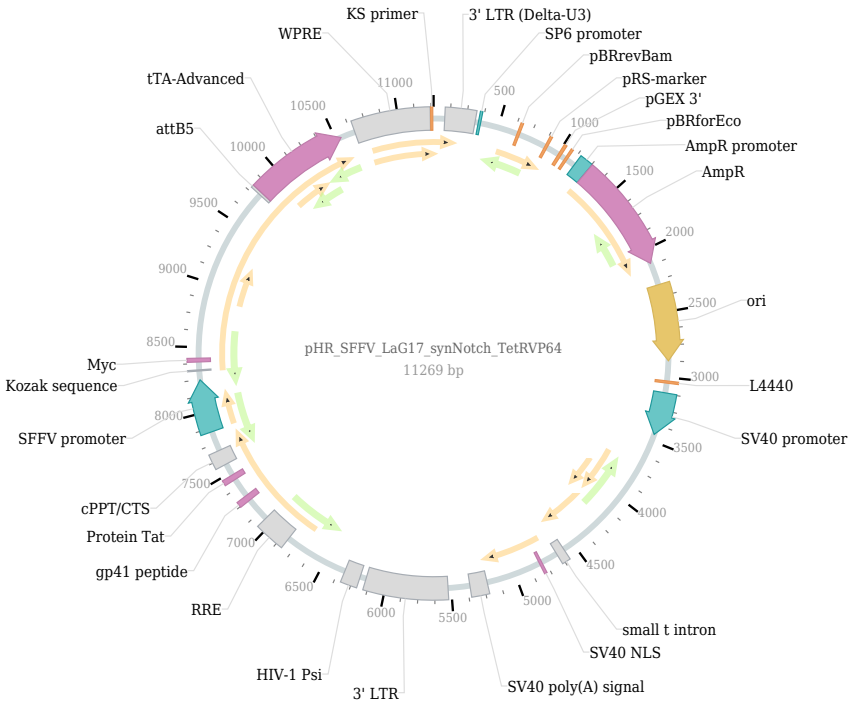
pHR_SFFV_LaG17_synNotch_TetRVP64

Vector ID	V012212
Antibiotic Resistance	Ampicillin
Length	11269 bp
Vector Type	Lentiviral

Product Information

Replication Origin	ori
Copy Number	High Copy
Promoter	SFFV
Growth Strain(s)	Stbl3
Comment	pHR_SFFV_LaG17_synNotch_TetRVP64 is a lentiviral vector for synthetic Notch (synNotch) receptor signaling. It features an SFFV promoter driving expression of LaG17 (a GFP-binding nanobody) fused to synNotch (chimeric receptor), along with TetRVP64 (tetracycline repressor-VP64 fusion) as a transcriptional activator. The vector also includes cPPT/CTS, RRE, HIV-1 Ψ, gp41, Tat, and 3' ΔU3 LTR for lentiviral packaging, plus AmpR, pUC ori, SV40 poly(A), and Myc tag.

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 ℃.