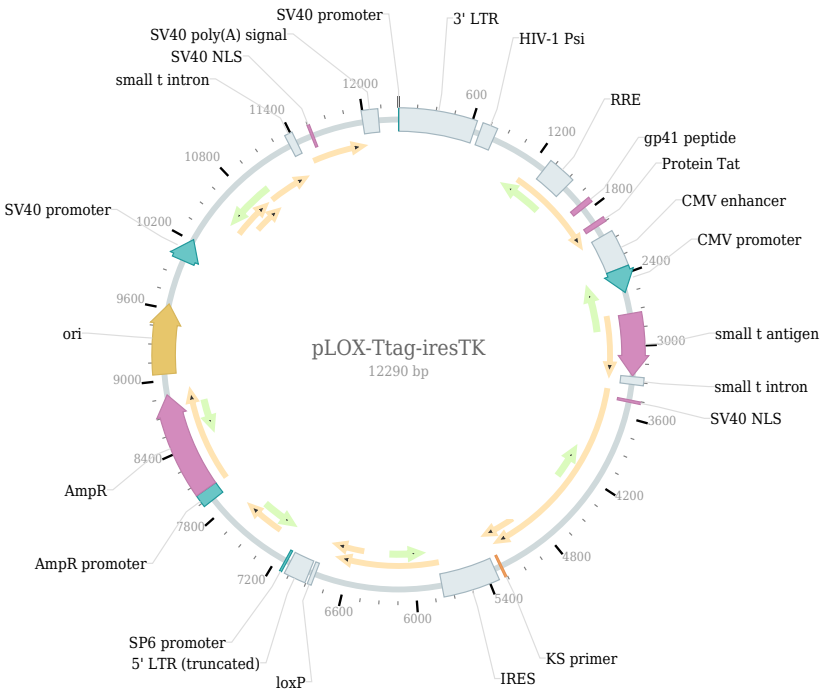
pLOX-Ttag-iresTK

Vector ID	V004395
Antibiotic Resistance	Ampicillin
Length	12290 bp
Vector Type	Lentiviral vectors

Product Information

Replication Origin	ori
Copy Number	High copy number
Promoter	CMV
Cloning Method	Enzyme digestion and ligation
5' Primer	CMV Fwd
3' Primer	SP6 rev
Comment	CMV promoter is upstream of the bicistronic coding cassette with SV40-Large T and HSV1-TK. During reverse transcription U3 region of the 3'LTR, with LoxP, is duplicated; LoxP sites end up flanking the genome of the integrated provirus. Upon expression of Cre, provirus is excised.

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 ℃.