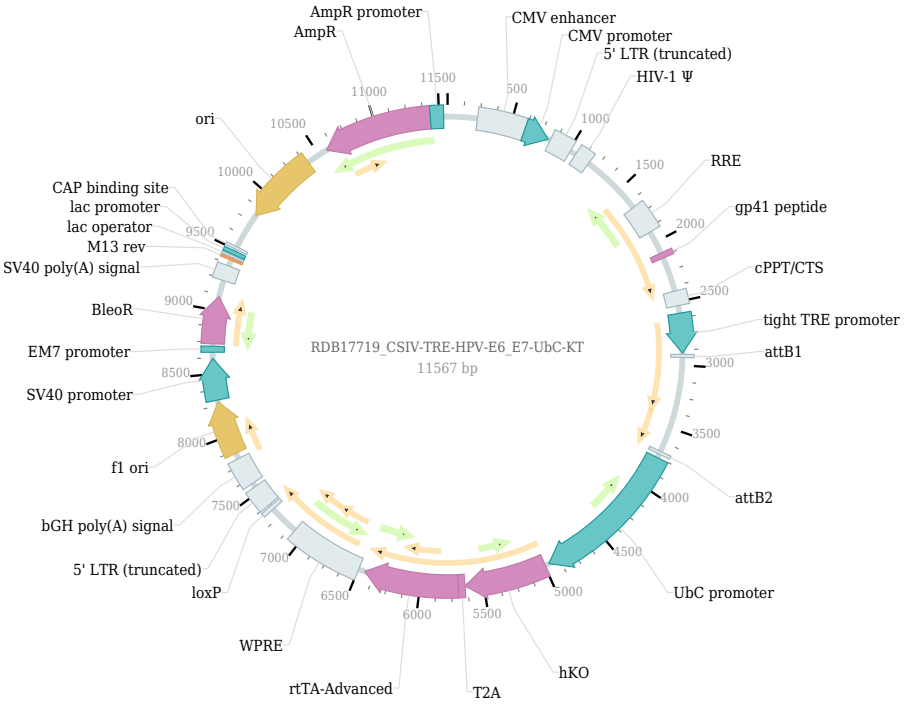
RDB17719_CSIV-TRE-HPV-E6_E7-UbC-KT

Vector ID	V047303
Antibiotic Resistance	Ampicillin
Length	11567 bp
Vector Type	Protein expression, Tetracycline inducible
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Puro
Copy Number	High
Promoter	tight TRE,Ubc
3' Primer	PLKO.1-R
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Expression Method	Tetracycline inducible
Comment	This is an 11567 bp third-generation Tet-On Advanced inducible lentiviral vector. It is designed to express the HPV-E6_E7 fusion protein with an N-terminal UbC tag under the tight TRE promoter, which is activated by the rtTA-Advanced transactivator. The vector includes the EM7 promoter driving BleoR for bacterial selection and essential HIV-1 packaging elements (Ψ, RRE, cPPT/CTS) for efficient viral production.

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 ℃.