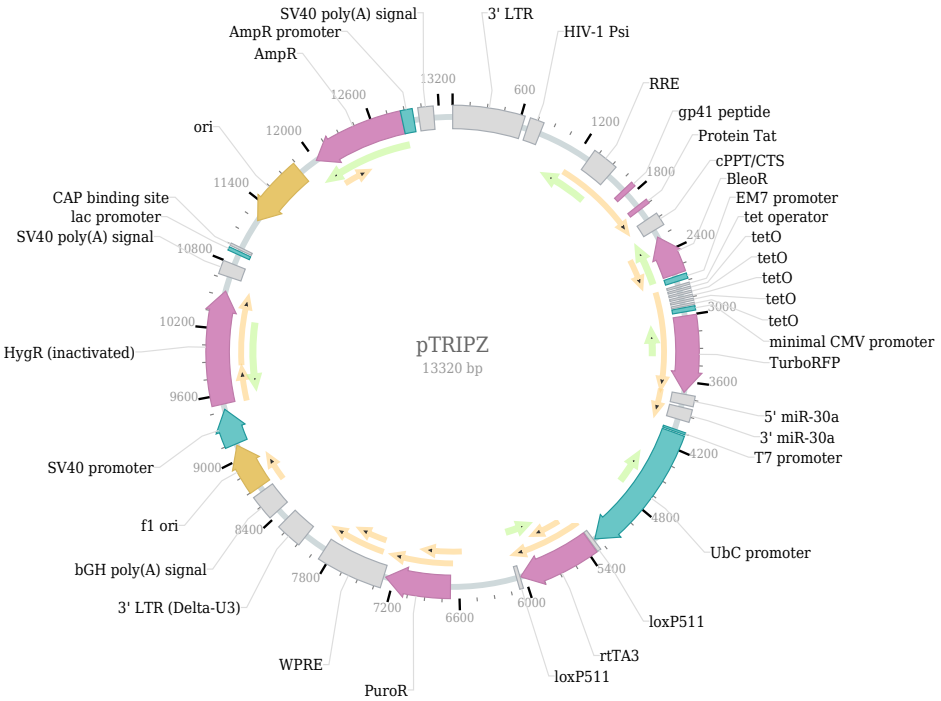
pTRIPZ

Vector ID	V010351
Antibiotic Resistance	Ampicillin
Length	13320 bp
Vector Type	Viral Expression & Packaging Vectors

Product Information

Replication Origin	ori
Source/Author	Open Biosystems
Copy Number	High copy number
Promoter	UbC
Growth Strain(s)	Stbl3
Comment	The Thermo Scientific TRIPZ Inducible Lentiviral shRNA Collection was developed in collaboration with Dr. Greg Hannon of Cold Spring Harbor Laboratory (CSHL) and Dr. Steve Elledge of Harvard Medical School. This collection combines the design advantages of microRNA-adapted short hairpin RNA (shRNA) with the pTRIPZ lentiviral inducible vector to create a powerful RNAi trigger capable of producing gene silencing. The vector is engineered to be Tet-On and produces tightly regulated induction of shRNA expression in the presence of doxycycline.

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 ℃.