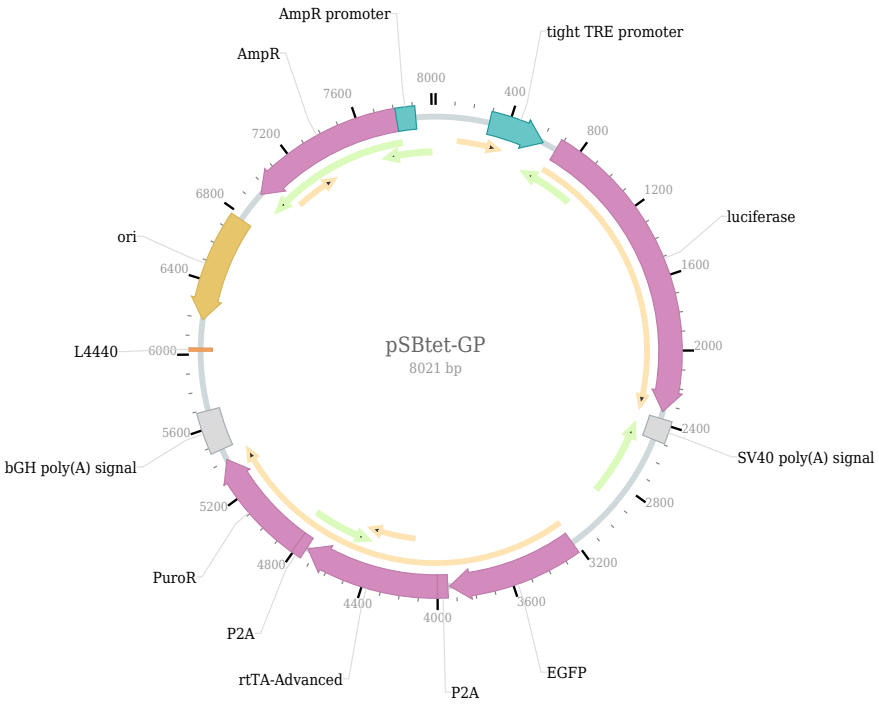
pSBtet-GP

Vector ID	V006780
Antibiotic Resistance	Ampicillin
Length	8021 bp
Vector Type	Mammalian Expression ; Transposon

Product Information

Replication Origin	ori
Selection Marker	Puromycin
Copy Number	High Copy
Promoter	TCE & RPBSA
Cloning Method	Restriction Enzyme
5' Primer	CCTGGAGCCAATTCCAACTCT
3' Primer	CACTGCATTCTTGTTGTGGTT
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	SB-Transposon with Inducible Cloning Site This transposon contains an inducible SfiI cloning site for insertion of genes of interest (GOIs). It also includes: 1. Firefly luciferase: A reporter gene for bioluminescent imaging 2. Constitutive GFP expression: Provides visualization of transduced cells 3. rtTA: A reverse tetracycline-controlled transcriptional activator for inducible GOI expression 4. Puromycin resistance gene: Confers resistance to puromycin for selection of transduced cells

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 ℃.