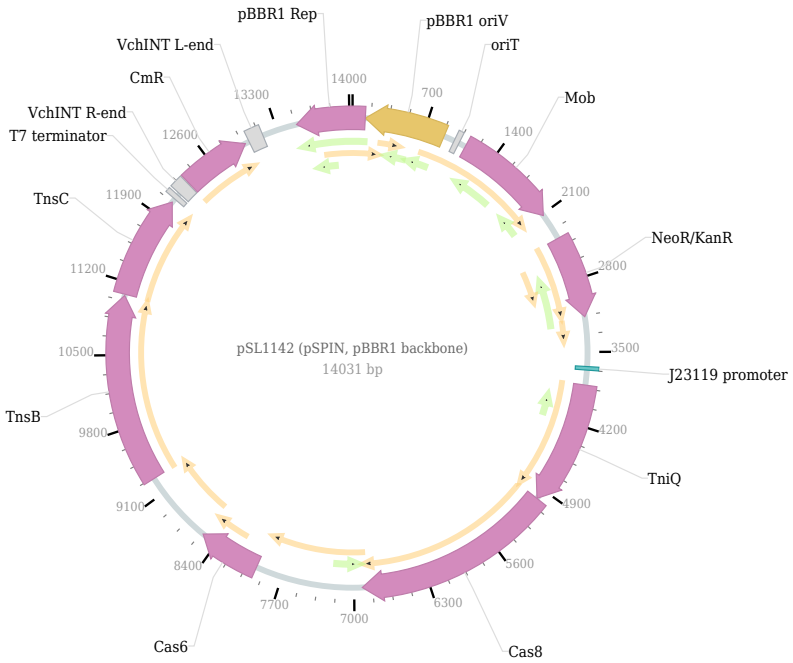
pSL1142 (pSPIN, pBBR1 backbone)

Vector ID	V006643
Antibiotic Resistance	Kanamycin
Length	14031 bp
Vector Type	Bacterial Expression

Product Information

Replication Origin	pBBR1 oriV
Copy Number	Low Copy
Promoter	J23119(SpeI)
Cloning Method	Gibson Cloning
5' Primer	cgccttcttgacgagttc
3' Primer	GCTAGTTATTGCTCAGCGG
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	Single-plasmid V. cholerae CAST system, encodes all proteins, crRNA, and donor DNA. Entry vector encodes non-targeting crRNA, with BsaI sites for spacer cloning. pBBR1 backbone.

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 ℃.