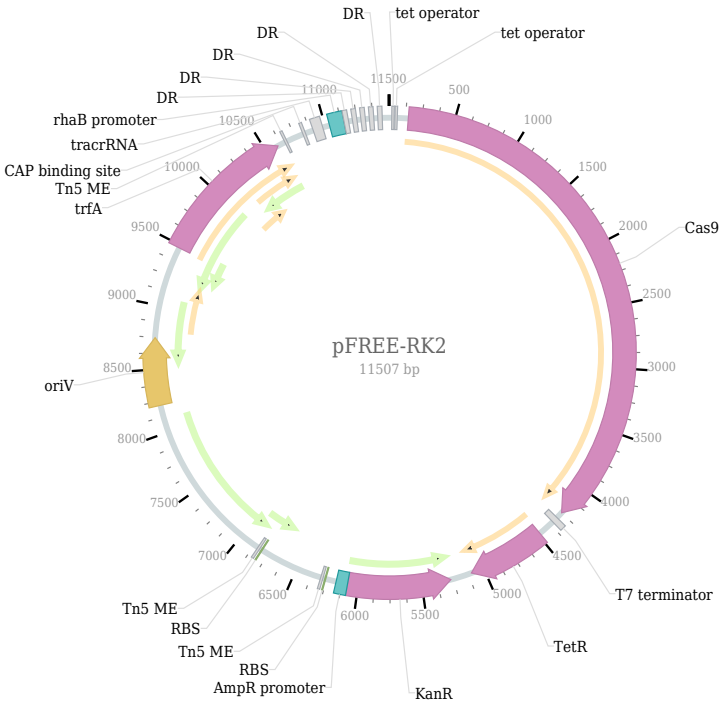
pFREE-RK2

Vector ID	V000810
Antibiotic Resistance	Kanamycin
Length	11507 bp
Vector Type	CRISPR

Product Information

Replication Origin	oriV
Copy Number	Low Copy
Promoter	rhaB
Cloning Method	Ligation Independent Cloning
5' Primer	gccacaattcagcaaattgtgaac
3' Primer	GTGCCGATATCTAAGCCTATTGAG
Growth Strain(s)	stbl3
Growth Temperature	37℃
Comment	The pFREE-RK2 vector is able to inducible expression of gRNAs and Cas9 for plasmid curing as well as self-curing via a temperature sensitive RK2 replicon.

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 ℃.