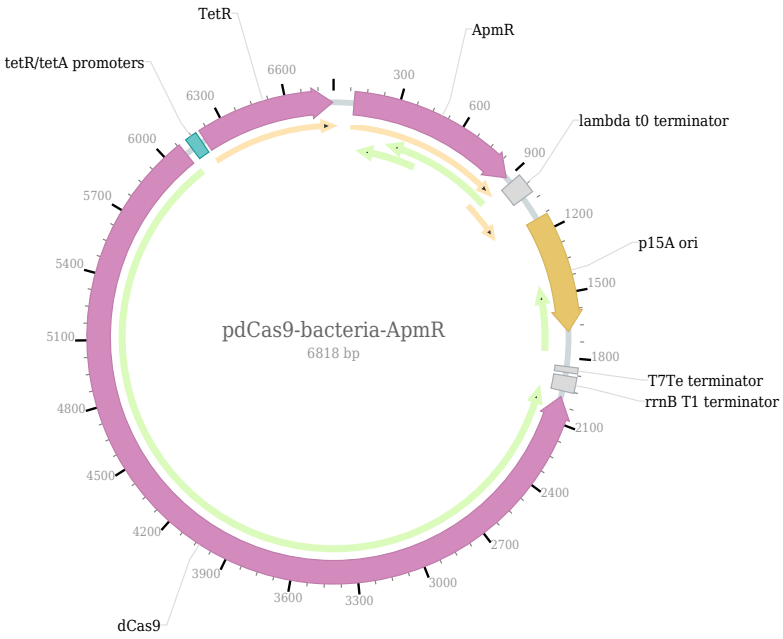
pdCas9-bacteria-ApmR

Vector ID	V017644
Antibiotic Resistance	Apramycin
Length	6818 bp
Vector Type	Gene-editing vector
Host	E. coli

Product Information

Replication Origin	p15A ori
Promoter	Tet
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pdCas9-bacteria-ApmR is a derivative of the bacterial CRISPRi vector pdCas9-bacteria (Qi et al. 2013) with chloramphenicol resistance replaced by apramycin resistance. Expresses catalytically inactive SpCas9 (D10A/H840A) for sgRNA-guided transcriptional repression of bacterial genes without DNA cleavage.

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 ℃.