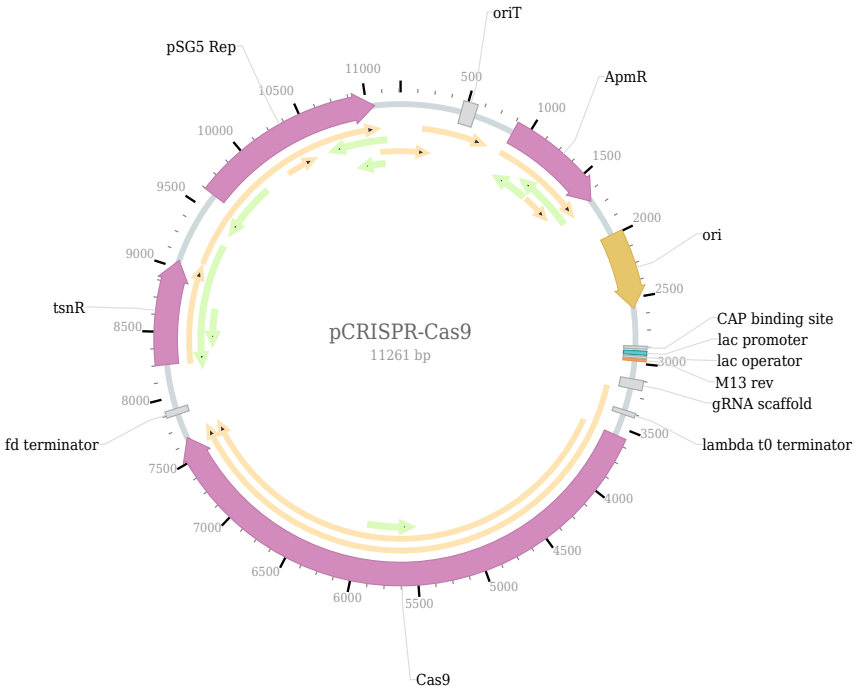
pCRISPR-Cas9

Vector ID	V008167
Antibiotic Resistance	Apramycin
Length	11261 bp
Vector Type	Actinomyces vector

Product Information

Replication Origin	ori
Source/Author	Tong Y, Charusanti P, Zhang L, Weber T, Lee SY.
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	The pCRISPR-Cas9 plasmid is a delivery vector engineered to express the Cas9 nuclease and a guide RNA (sgRNA) for targeted DNA cleavage. It enables programmable gene editing, regulation, or plasmid curing in various bacterial hosts, typically containing a bacterial origin of replication and a selection marker.

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 ℃.