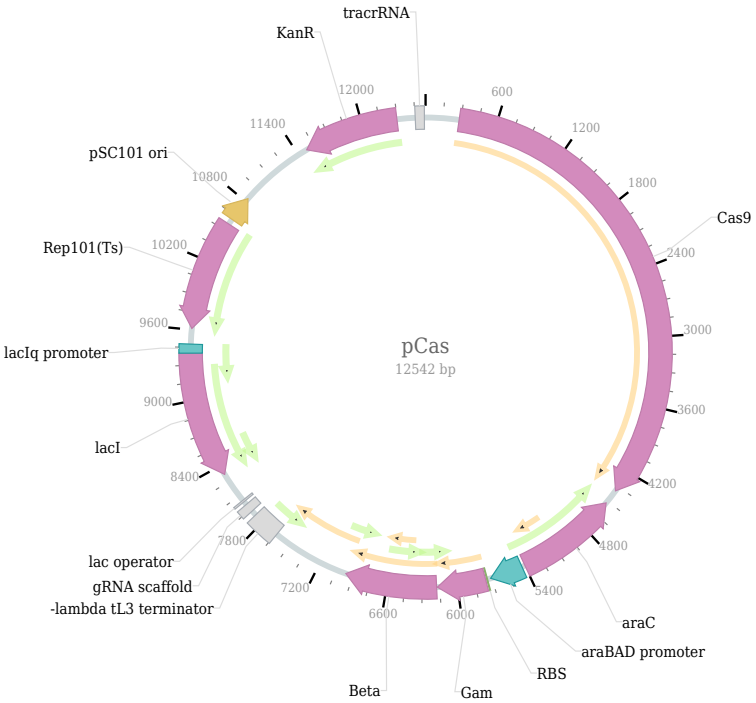
pCas

Vector ID	V012287
Antibiotic Resistance	Kanamycin
Length	12542 bp
Vector Type	CRISPR Plasmids

Product Information

Replication Origin	pSC101 ori
Source/Author	Jiang Y, Chen B, Duan C, Sun B, Yang J, Yang S.
Copy Number	Low Copy
Promoter	araBAD
Growth Strain(s)	Stbl3
Growth Temperature	30℃
Comment	pCas is for constitutive expression of cas9 and inducible expression of lambda RED and sgR. It can work together with the pTargetF vector (V012144). Please note that it must be grown at 30C. Vector has temperature-sensitive replication (RepA101ts).

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 ℃.