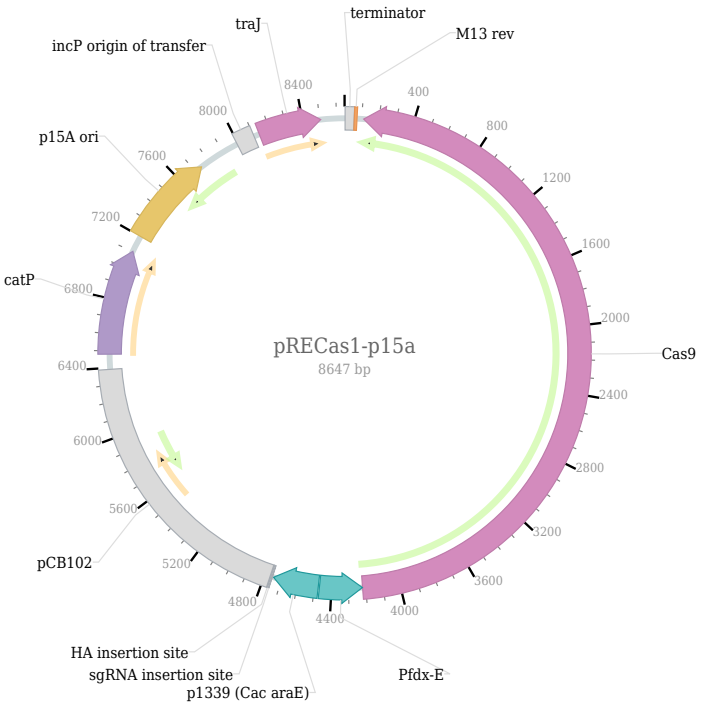
pRECas1-p15a

Vector ID	V017499
Antibiotic Resistance	Chloramphenicol
Length	8647 bp
Vector Type	CRISPR Plasmids

Product Information

Source/Author	Cañadas IC, Groothuis D, Zygouropoulou M, Rodrigues R, Minton NP.
Promoter	Pfdx
Growth Strain(s)	Top10
Growth Temperature	37℃
Comment	A universal CRISPR_Cas9 gene editing system for broad application in Clostridia and other anaerobic Gram+ species, comprising 5 vectors. This is pRECas1-p15a. In RiboCas, Cas9 has been placed under the control of a tightly regulated, theophylline responsive riboswitch. The system overcomes many of the issues relating to Cas9 toxicity in both the shuttle host and intended target.

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 ℃.