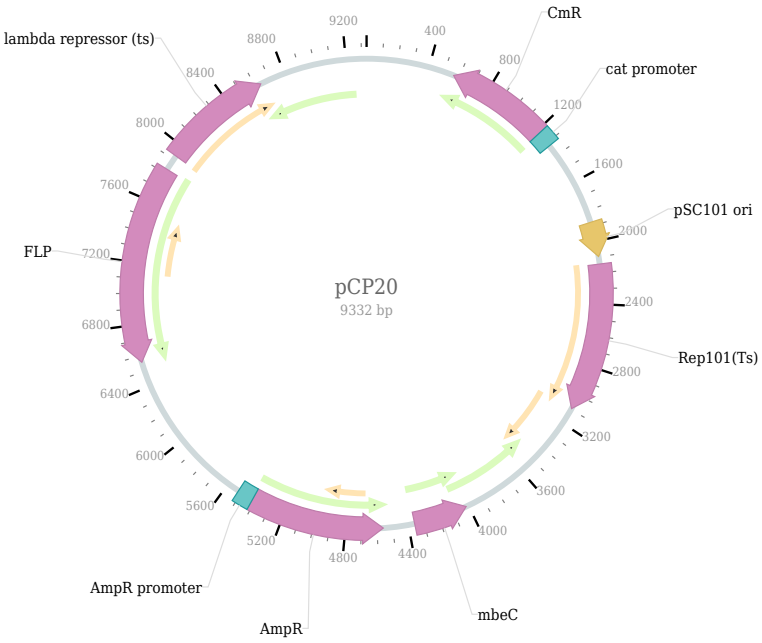
pCP20

Vector ID	V001036
Antibiotic Resistance	Ampicillin
Length	9332 bp
Vector Type	Knockout Vectors

Product Information

Replication Origin	pSC101 ori
Copy Number	Low Copy
Growth Strain(s)	DH10B
Growth Temperature	30℃
Comment	pCP20 is an AmpR and CmR plasmid that shows temperature-sensitive replication and thermal induction of FLP synthesis. CmR and KmR mutants were transformed with pCP20, and ampicillin-resistant transformants were selected at 30°C, after which a few were colony-purified once nonselectively at 43°C and then tested for loss of all antibiotic resistances. The majority lost the FRT-flanked resistance gene and the FLP helper plasmid simultaneously. This vector was first published in 1995, by Dr. W. Wackernagel, Genetik, Fachbereich Biologic, University Oldenburg.

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 ℃.