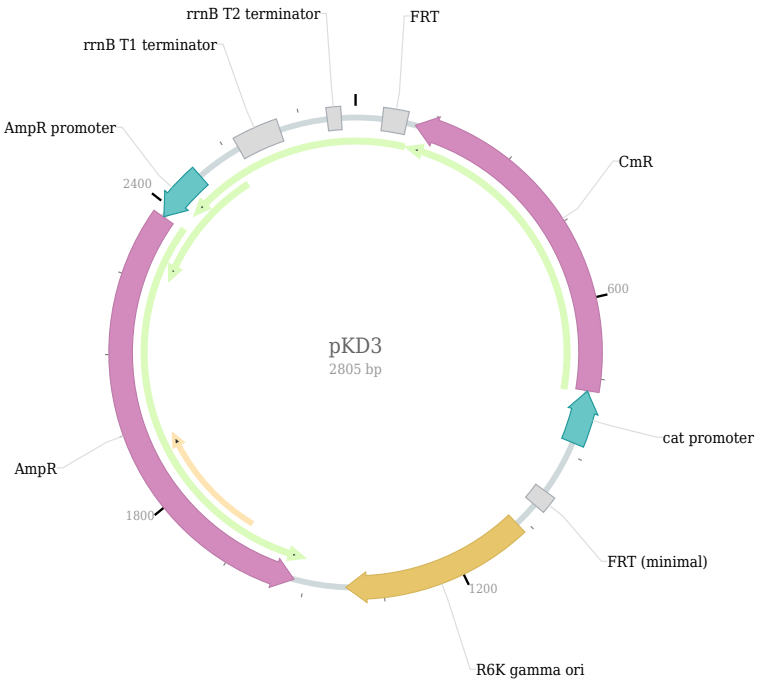
pKD3

Vector ID	V012131
Antibiotic Resistance	Ampicillin
Length	2805 bp
Vector Type	Knockout Vectors

Product Information

Replication Origin	R6K γ ori
Promoter	R6K
Cloning Method	Enzyme digestion and ligation
5' Primer	R6K-3
3' Primer	rrnB-T1-term-F
Growth Strain(s)	DH5α-λpir
Growth Temperature	37℃
Comment	The pKD3 plasmid is used for gene knockout via Red/ET recombination in E. coli. It contains an FRT-flanked cassette for marker removal.

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 ℃.