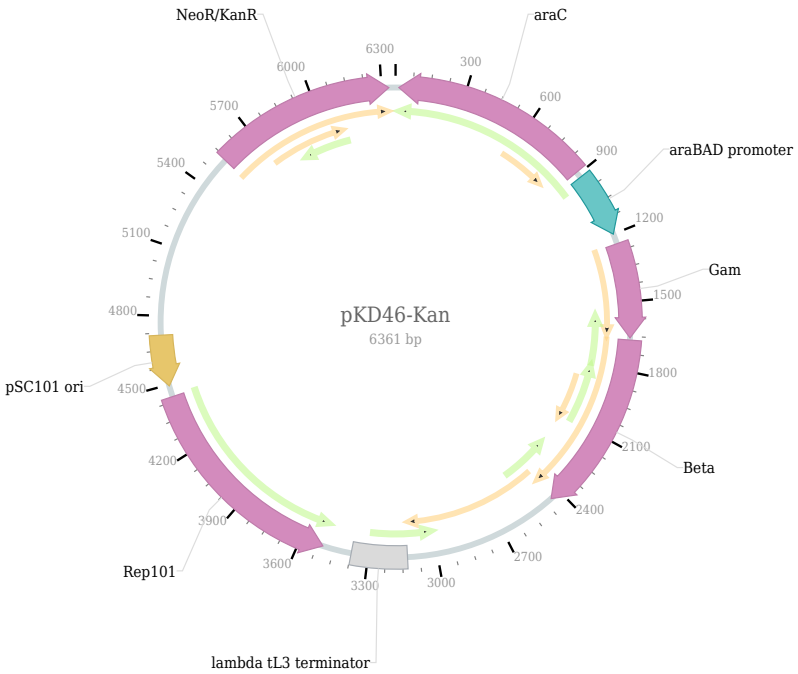
pKD46-Kan

载体编号 Vector ID	V014946
抗性 Antibiotic Resistance	Kanamycin
长度 Length	6361 bp

产品信息

复制子 Replication Origin	pSC101 ori
拷贝数 Copy Number	Low Copy
启动子 Promoter	araBAD
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	30℃
备注 Comment	pSC101 ori is a low-copy replication origin that requires the Rep101 protein, which is a temperature-sensitive protein. When bacteria containing a plasmid with this ori is cultured at 37℃, the plasmid will be lost. Rep101(Ts) is a temperature-sensitive replication protein that functions only at low temperatures. Above 37°C, it becomes inactive, causing plasmid loss. Stable replication occurs at 30°C, >16 hours (or lower, e.g., 28–30°C). Please do not exceed 32°C.

质粒图谱



复溶方法

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 ℃.