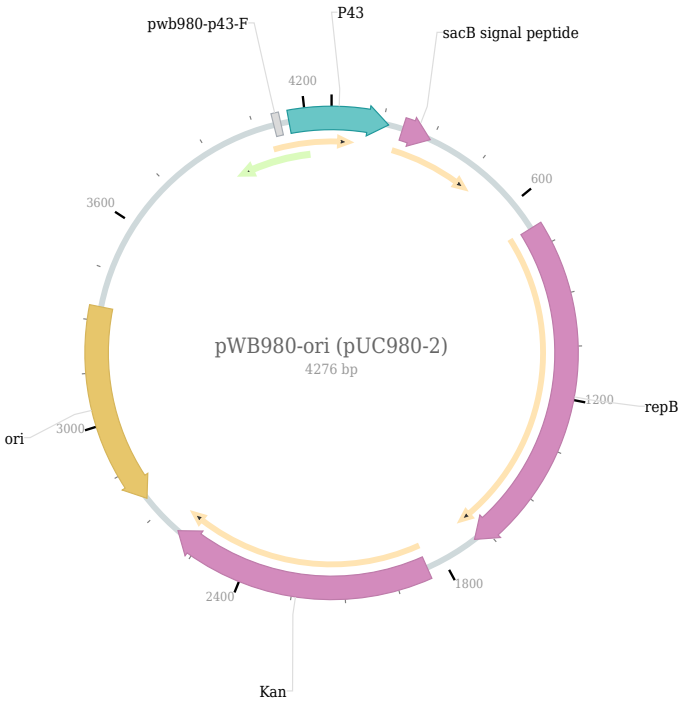
pWB980-ori (pUC980-2)

载体编号 Vector ID	V017497
抗性 Antibiotic Resistance	Kanamycin
长度 Length	4276 bp
载体类型 Vector Type	Bacillus Expression vector

产品信息

拷贝数 Copy Number	High copy number
启动子 Promoter	P43
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	pUC980-2 is a high-copy-number and highly stable E. coli-B. subtilis shuttle expression plasmid. It was constructed by inserting the E. coli replication origin (ori) upstream of the BA3-1 region in the pWB980-DB backbone. In B. subtilis, it maintains over 450 copies per cell with a segregational stability of up to 100%. It has been successfully used for the high-yield secretory production of heterologous proteins like alkaline pectate lyase (PelN) and alkaline protease (Spro1) in B. subtilis. pWB980-ori (pUC980-2) is a shuttle plasmid with an additional replication origin compared to pWB980.

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 ℃.