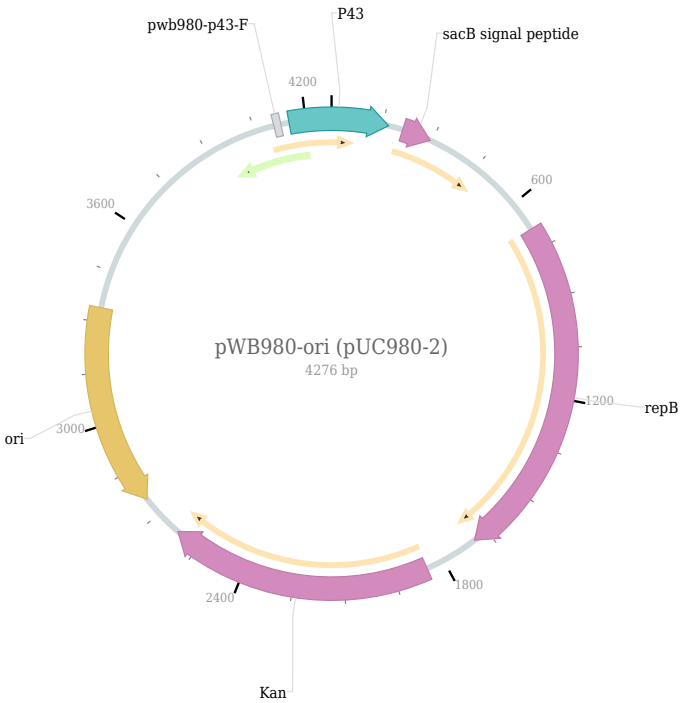
pWB980-ori (pUC980-2)

Vector ID	V017497
Antibiotic Resistance	Kanamycin
Length	4276 bp
Vector Type	Bacillus Expression vector

Product Information

Copy Number	High copy number
Promoter	P43
Growth Strain(s)	DH10B
Growth Temperature	37℃
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.

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 ℃.