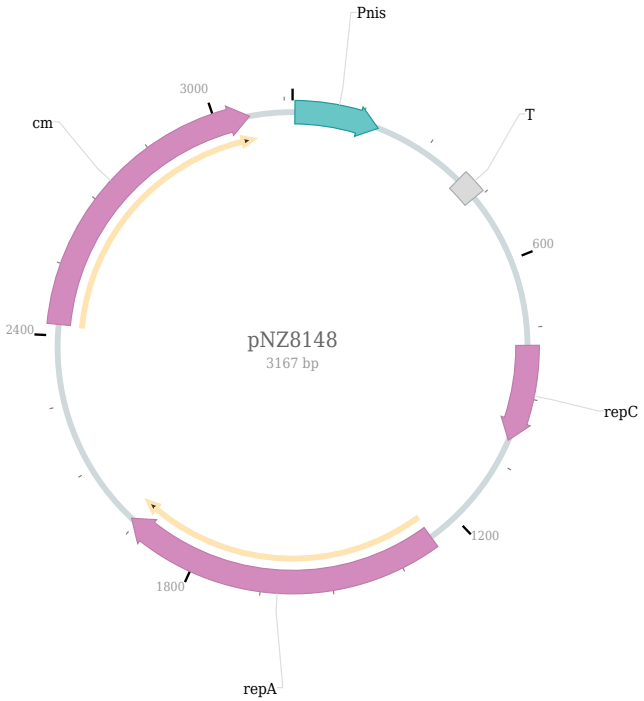
pNZ8148

载体编号 Vector ID	V012804
抗性 Antibiotic Resistance	Chloramphenicol
长度 Length	3167 bp
载体类型 Vector Type	expression plasmid of Lactobacilli

产品信息

启动子 Promoter	PnisA
克隆方法 Cloning Method	Restriction Enzyme
培养菌株 Growth Strain(s)	MC1061
培养温度 Growth Temperature	30℃
备注 Comment	pNZ8148 is a chloramphenicol-resistant plasmid. It includes 2 genes for the replication proteins repA and repC, and the nisin-inducible promoter (P nisA). The replicons of the vectors pNZ8008, pNZ8148, pNZ8149 and pNZ8150 are identical and came originally from the Lactococcus lactis plasmid pSH71. However, this replicon has a broad host range. Plasmids with this replicon can replicate in many Gram-positive bacteria, such as Lactobacillus plantarum and Streptococcus thermophilus. For propagation of pNZ8148, we recommend E. coli strain MC1061 (10 µg/ml chloramphenicol; growth of colonies may take 2 days). pUC57-pNZ8148 is recommended as a replacement, which can be grown in conventional clonal strains and is easier to use.

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 ℃.