pNCMO2

载体编号 Vector ID	V017507
抗性 Antibiotic Resistance	Ampicillin
长度 Length	5225 bp
载体类型 Vector Type	Brevibacillus Expression Vector

产品信息

来源 Source/Author	Takara Bio
启动子 Promoter	P2
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	pNCMO2 is a shuttle vector for Brevibacillus and E. coli. Accordingly, the expression plasmid is constructed in E. coli, after which it is introduced to Brevibacillus for protein expression. The P2 promoter, derived from a cell wall protein of the host bacterium, is used as the expression promoter for pNCMO2. Because the P2 promoter does not work in E. coli, it is useful in the cloning of the target gene. However, it is an exceptionally strong promoter in Brevibacillus resulting in efficient protein production.

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 ℃.