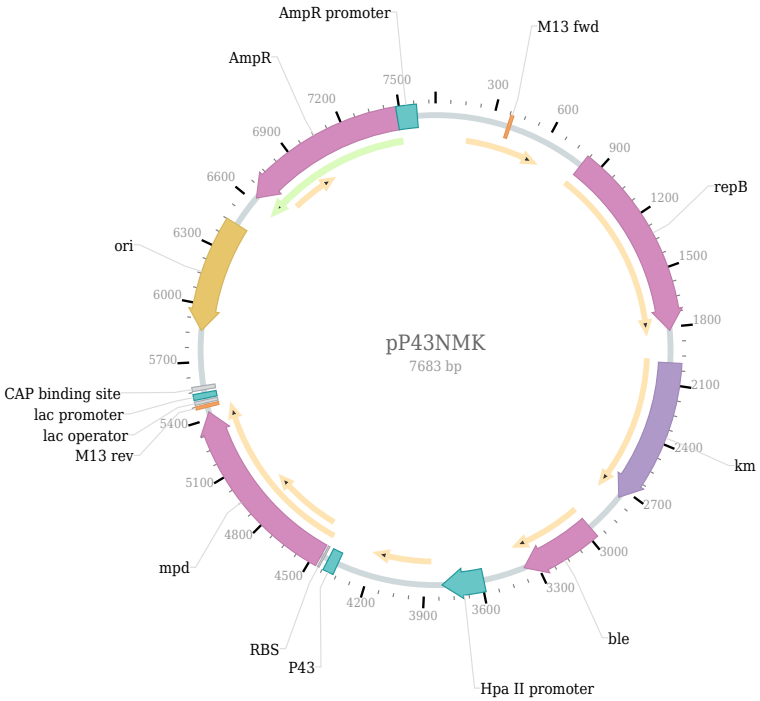
pP43NMK

载体编号 Vector ID	V004184
抗性 Antibiotic Resistance	Ampicillin
长度 Length	7683 bp
载体类型 Vector Type	Shuttle expression-secretion vector

产品信息

复制子 Replication Origin	ori
来源 Source/Author	Zhang XZ, Cui ZL, Hong Q, Li SP.
启动子 Promoter	P43
培养菌株 Growth Strain(s)	JM108
培养温度 Growth Temperature	37℃
备注 Comment	pP43NMK (7.7 kb) is a shuttle vector for both E. coli and Bacillus subtilis. It features the strong constitutive P43 promoter for robust expression in B. subtilis. The vector carries AmpR for E. coli selection, KmR (kanamycin) for B. subtilis selection, a ColE1 ori for E. coli, and repB for replication in Bacillus. It also includes the mpd gene (methyl parathion hydrolase) as a reporter.

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 ℃.