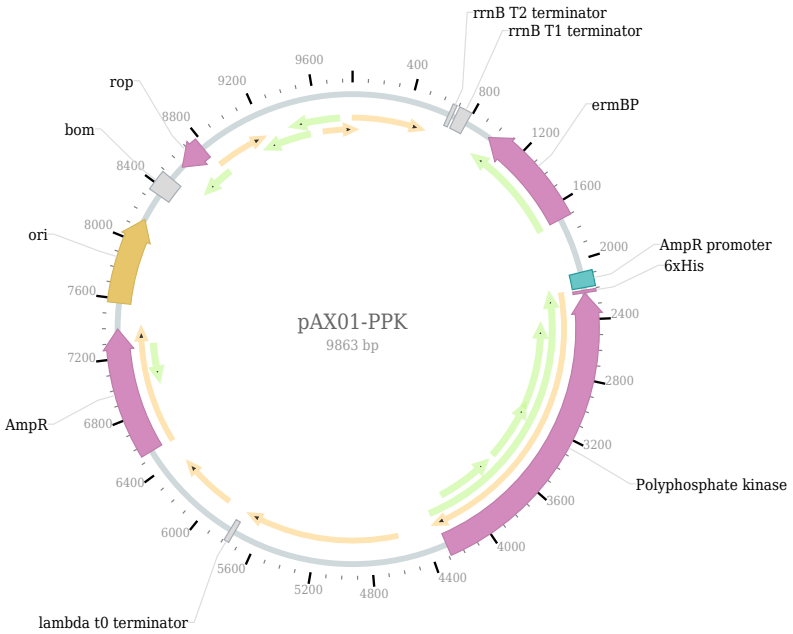
pAX01-PPK

载体编号 Vector ID	V012952
抗性 Antibiotic Resistance	Ampicillin
长度 Length	9863 bp
载体类型 Vector Type	Protein expression
宿主 Host	Bacillus subtilis

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	Ery
启动子 Promoter	xylA
培养菌株 Growth Strain(s)	Stbl3
培养温度 Growth Temperature	37℃
备注 Comment	The pAX01-PPK includes a Polyphosphate kinase (PPK). It is a E. coli-B. subtilis shuttle plasmid based on pAX01 (V000803). It carries a ColE1 ori and bla (Amp^R) for propagation in E. coli, and integrates into the B. subtilischromosome at lacA via double-crossover homologous recombination, with Erm^R as the chromosomal selection marker. Gene expression is tightly controlled by the xylose-inducible PxylA promoter, making it well-suited for secreted recombinant protein production in B. subtilis.

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 ℃.