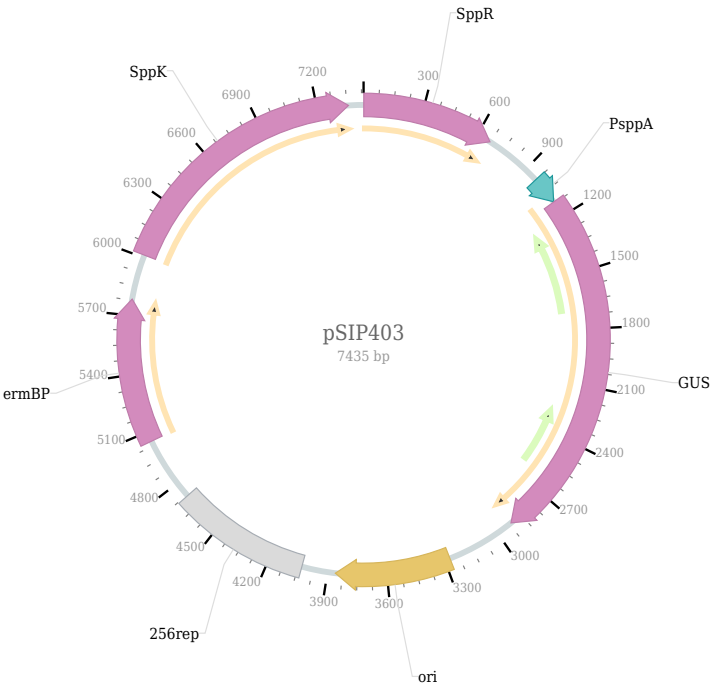
pSIP403

载体编号 Vector ID	V011282
抗性 Antibiotic Resistance	Erythromycin
长度 Length	7435 bp
载体类型 Vector Type	Bacterial Expression

产品信息

复制子 Replication Origin	ori
启动子 Promoter	sppA
克隆方法 Cloning Method	Restriction Enzyme
5' 引物 5' Primer	GGCTTTTATAATATGAGATAATGCCGAC
培养菌株 Growth Strain(s)	JM108
培养温度 Growth Temperature	37℃
备注 Comment	The pSIP403 is for expression of gene of interest in Lactobacillus plantarum and L. sakei. sppK perceives an extracellular signal and autophosphorylates. It then transfers the phosphate to sppR. The phosphorylated sppR binds to the sppA promoter, activating it and initiating transcription of the sppA gene. Erythromycin was added as follows: 200 μg/mL for E. coli and 10 μg/mL for lactobacilli.

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 ℃.