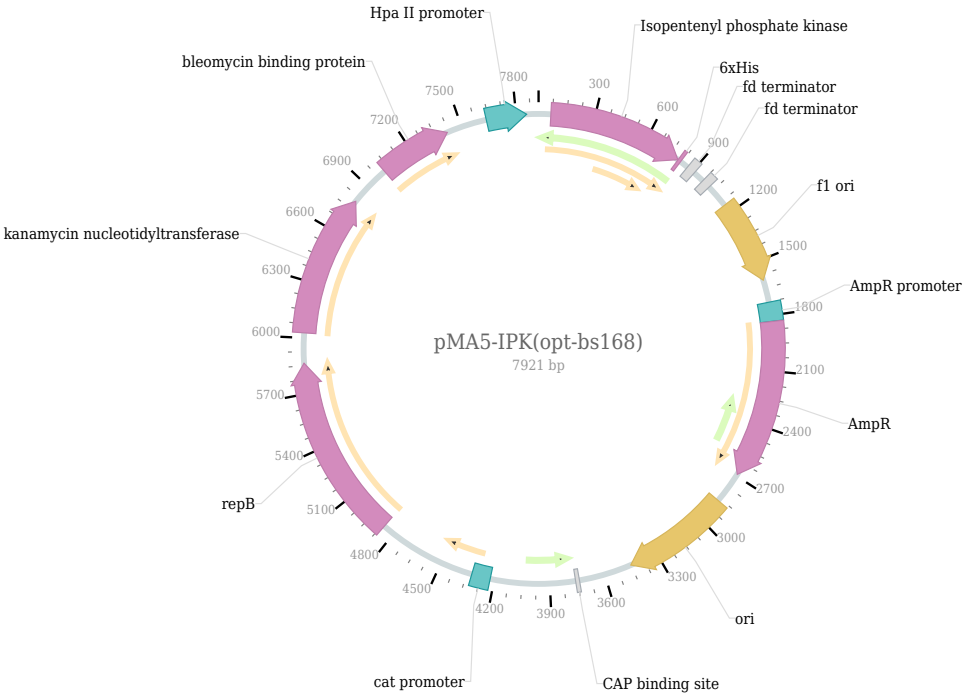
pMA5-IPK(opt-bs168)

载体编号 Vector ID	V014368
抗性 Antibiotic Resistance	Ampicillin
长度 Length	7921 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	Kan
启动子 Promoter	HpaII
培养菌株 Growth Strain(s)	DH10b
培养温度 Growth Temperature	37℃
备注 Comment	pMA5-IPK(opt-bs168) is an E. coli-Bacillus subtilis shuttle expression vector carrying a codon-optimized (B. subtilis 168) isopentenyl phosphate kinase (IPK) gene under the HpaII promoter. Designed for engineering terpenoid/isoprenoid biosynthesis by converting isopentenyl phosphate to IPP in engineered Bacillus strains.

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 ℃.