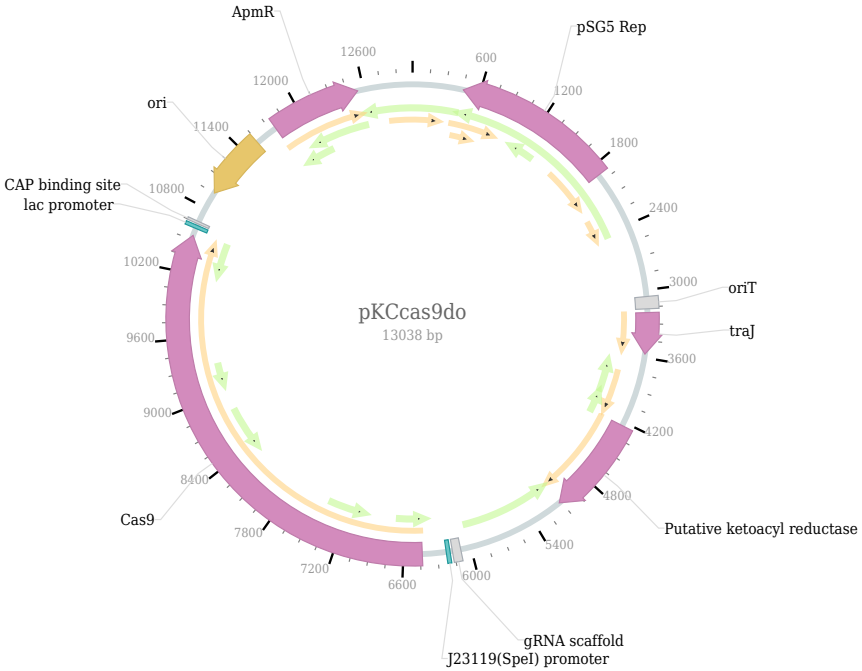
pKCcas9do

载体编号 Vector ID	V016695
抗性 Antibiotic Resistance	Apramycin
长度 Length	13038 bp
载体类型 Vector Type	Gene knockout
宿主 Host	Streptomyces

产品信息

复制子 Replication Origin	ori
启动子 Promoter	J23119(SpeI)
培养菌株 Growth Strain(s)	DH5a
培养温度 Growth Temperature	30℃
备注 Comment	pKCcas9do is a CRISPR/Cas9 vector for high-efficiency genome editing in Streptomyces. The ptipA promoter drives a codon-optimized SpCas9 gene, while the J23119 promoter drives the gRNA scaffold for targeting specificity. Additional features include an actII-orf4 homology arm for recombination , oriT (transfer origin), traJ (mobilization protein), ApmR (apramycin resistance), pSG5 replicon for temperature-sensitive replication in Streptomyces, and lac promoter for E. coli selection

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 ℃.