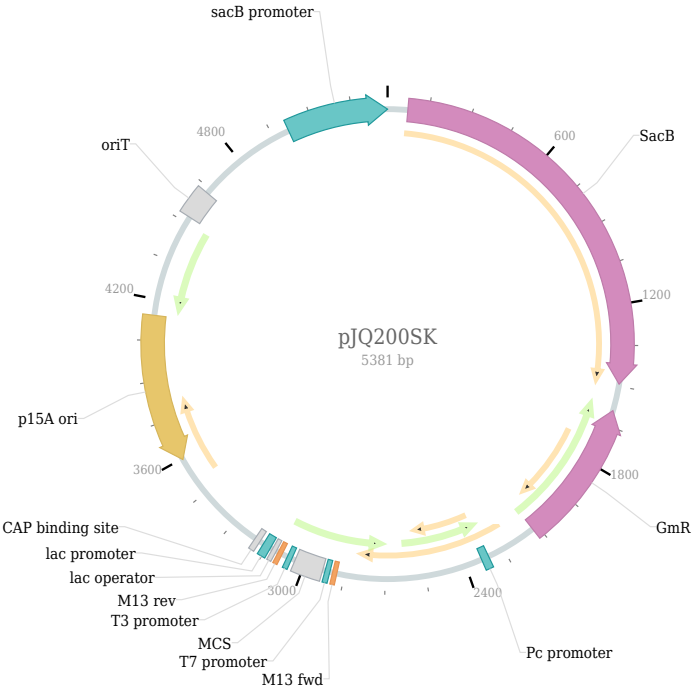
pJQ200SK

载体编号 Vector ID	V012858
抗性 Antibiotic Resistance	Gentamicin
长度 Length	5381 bp
载体类型 Vector Type	Gene knockout
宿主 Host	E. coli

产品信息

复制子 Replication Origin	p15A ori
筛选标记 Selection Marker	SacB
启动子 Promoter	Pc
培养菌株 Growth Strain(s)	DH5a
培养温度 Growth Temperature	37℃
备注 Comment	pJQ200SK is a mobilizable suicide plasmid derived from the backbone pJQ200 for gene replacement in Gram-negative bacteria. It carries P15A ori, gentamicin resistance and counter-selectable sacB lethal gene for sucrose-based double crossover screening. Equipped with pBluescript SK MCS and partial lacZα, it enables blue-white screening of inserted DNA fragments. Its RP4 mob region allows conjugal transfer, while it cannot replicate outside enterobacteria to eliminate tedious mutant screening.

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 ℃.