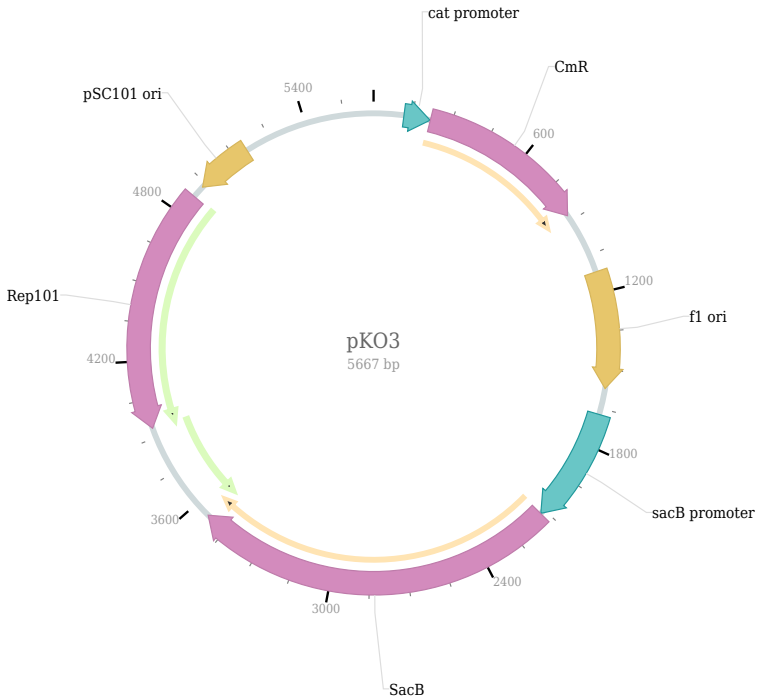
pKO3

载体编号 Vector ID	V014437
抗性 Antibiotic Resistance	Chloramphenicol
长度 Length	5667 bp
载体类型 Vector Type	Genome editing
宿主 Host	E. coli

产品信息

复制子 Replication Origin	pSC101 ori
启动子 Promoter	sacB
培养菌株 Growth Strain(s)	Top10
培养温度 Growth Temperature	30℃
备注 Comment	pKO3 is a plasmid commonly used for gene replacement and gene knockout in bacteria, especially in Escherichia coli. Throughout the plasmid cultivation process, use only sucrose-free culture medium (animal-derived medium is preferred). Rep101(Ts) is a temperature-sensitive replication protein that functions only at low temperatures. Above 37°C, it becomes inactive, causing plasmid loss. Stable replication occurs at 30°C, >16 hours (or lower, e.g., 28–30°C). Please do not exceed 32°C.

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 ℃.