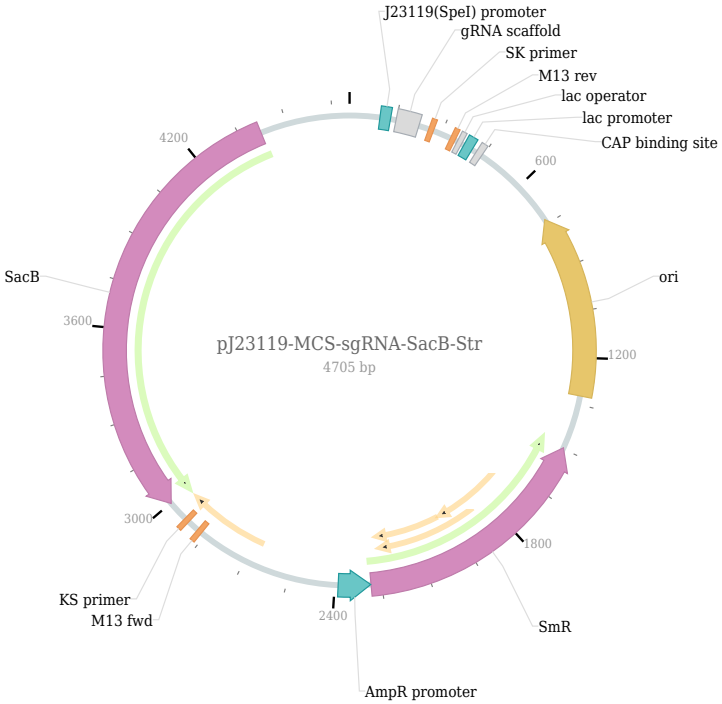
pJ23119-MCS-sgRNA-SacB-Str

Vector ID	V014247
Antibiotic Resistance	Streptomycin
Length	4705 bp
Vector Type	Gene knockout
Host	E. coli

Product Information

Replication Origin	ori
Promoter	J23119
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pJ23119-MCS-sgRNA-SacB-Str is a bacterial CRISPR vector in which the constitutive J23119 promoter drives sgRNAs cloned into the MCS. Streptomycin resistance provides selection, while the sacB gene enables sucrose counter-selection for plasmid curing after editing. Designed for use with a separately supplied Cas9 in E. coli genome engineering workflows.

Vector Map



Plasmid Resuspension Protocol

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 ℃.