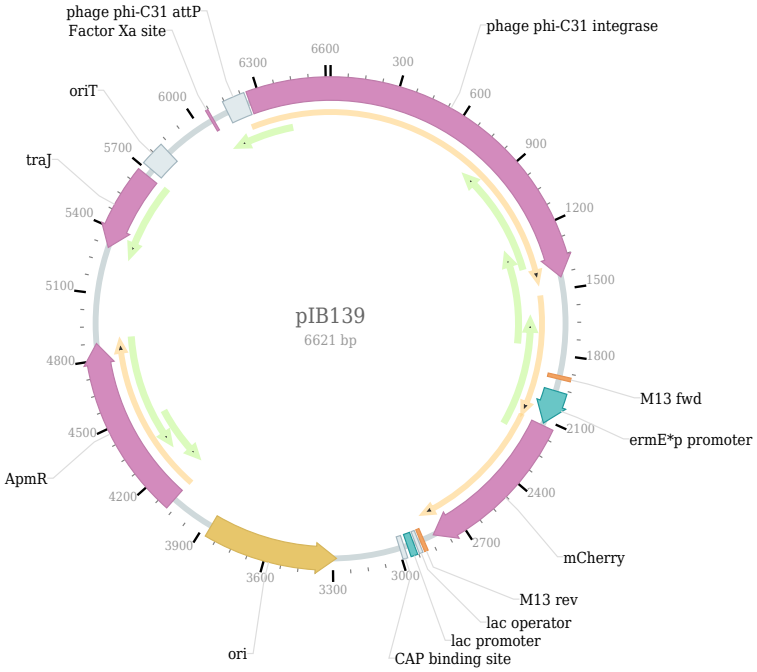
pIB139

Vector ID	V012917
Antibiotic Resistance	Apramycin
Length	6621 bp
Vector Type	Protein expression
Host	Broad host

Product Information

Replication Origin	ori
Promoter	lac
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pIB139 is a Streptomyces integrative expression vector derived from pSET152. The constitutive PermE* promoter drives the mCherry-MCS; the PhiC31 integrase/attP system recombines the vector into the chromosome for stable maintenance, while oriT (RK2) enables E. coli-Streptomyces conjugation. Apramycin resistance selects in both hosts; ColE1 ori supports E. coli propagation.

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 ℃.