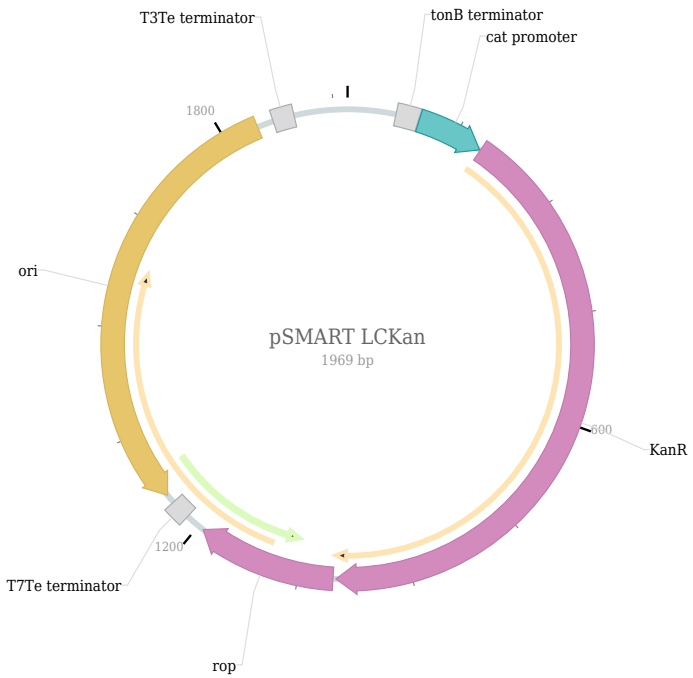
pSMART LCKan

Vector ID	V011364
Antibiotic Resistance	Kanamycin
Length	1969 bp
Vector Type	Lucigen Vectors

Product Information

Replication Origin	ori
Source/Author	Lucigen
Copy Number	High copy number
Growth Strain(s)	DH10B
Comment	pSMART LCKan is a 1,969 bp low-copy cloning vector for E. coli. It contains a kanamycin resistance gene, a Rop protein for copy number control, and a ColE1 origin. Its design includes strong transcription terminators flanking the cloning site to prevent unwanted transcription, enhancing cloning stability and efficiency.

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 ℃.