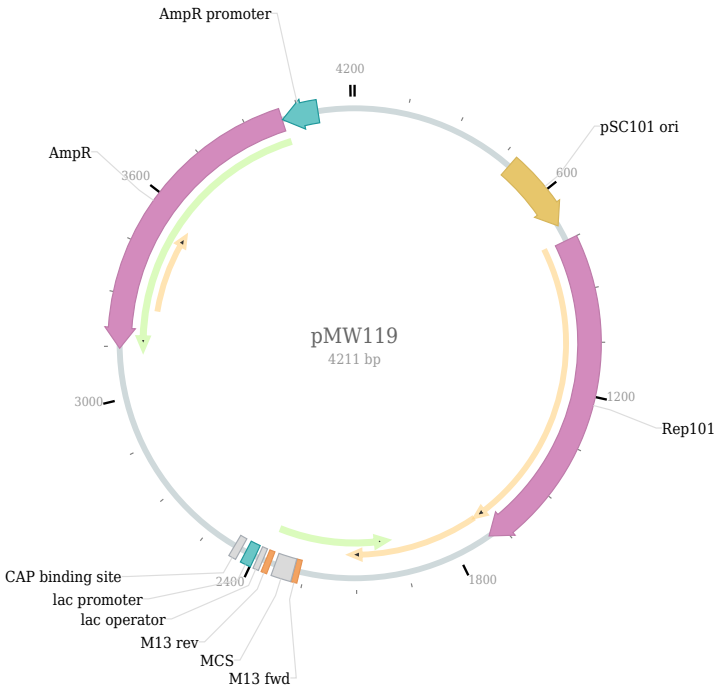
pMW119

Vector ID	V014102
Antibiotic Resistance	Ampicillin
Length	4211 bp
Vector Type	Gene template
Host	E. coli

Product Information

Replication Origin	pSC101 ori
Copy Number	Low copy number
Growth Strain(s)	DH5a
Growth Temperature	30℃
Comment	pMW119 is a low-copy bacterial cloning vector derived from pSC101. It carries a pSC101 ori (for stringent replication, ~5 copies/cell), AmpR (ampicillin resistance), and a lac promoter/operator with an MCS for blue-white screening. Includes M13 fwd/rev for sequencing and a CAP binding site.

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 ℃.