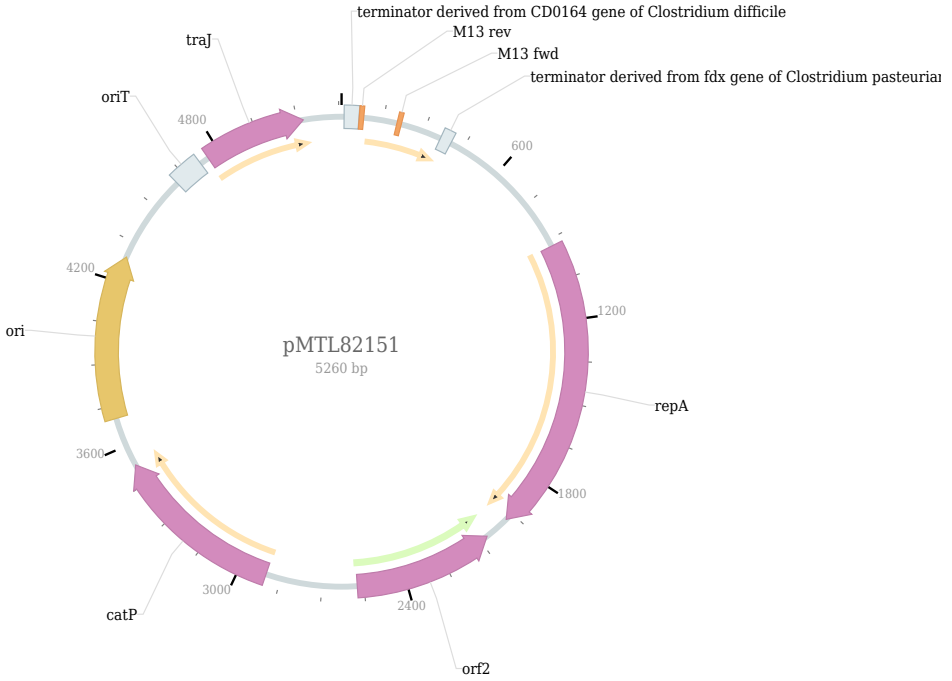
pMTL82151

Vector ID	V004418
Antibiotic Resistance	Chloramphenicol
Length	5260 bp
Vector Type	Shuttle vector

Product Information

Replication Origin	ori
Source/Author	Heap JT, Pennington OJ, Cartman ST, Minton NP.
Copy Number	High copy number
Growth Strain(s)	stbl3
Growth Temperature	37℃
Comment	The pMTL82151 is a clostridium shuttle plasmid. There are a series of plasmids from the pMTL80000 system. They differ in their Gram+ origins of replication: pMTL82151 (pBP1 from C. botulinum); pMTL83151 (pCB102 from C. butyricum); pMTL84151 (pCD6 from C. difficile); and pMTL85141 (pIM13 from Bacillus subtilis). Vector could be mobilisable via RP4/RK2 mating system, e.g. using E.coli strains S17.

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 ℃.