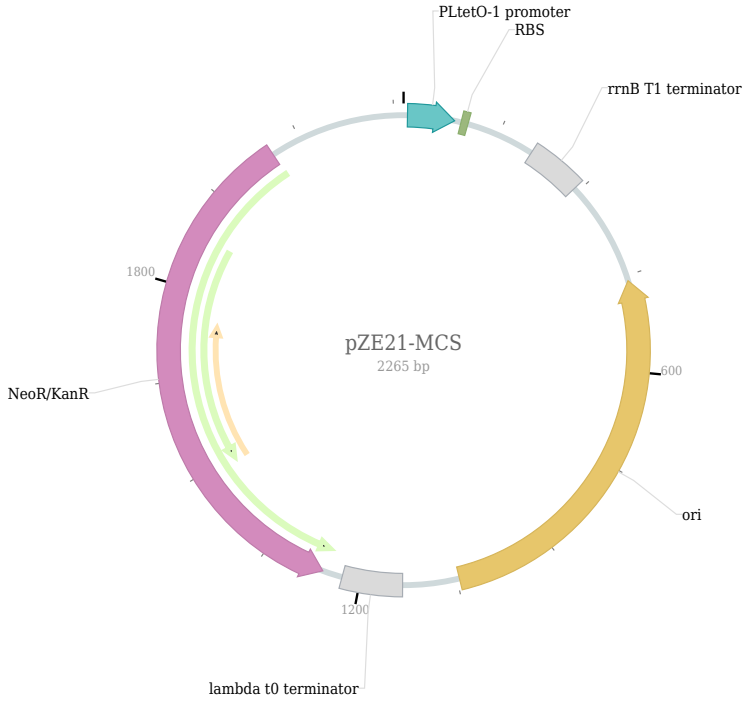
pZE21-MCS

Vector ID	V039151
Antibiotic Resistance	Kanamycin
Length	2265 bp
Vector Type	Protein expression
Host	E. coli

Product Information

Replication Origin	ori
Selection Marker	Neo/G418
Copy Number	High
Promoter	PLtetO-1
3' Primer	rrnBT1-R
Growth Strain(s)	DH10B
Growth Temperature	37℃
Expression Method	Transient
Comment	pZE21-MCS is a modular E. coli expression vector. It combines a ColE1 origin, kanamycin resistance, and the synthetic PLtetO-1 promoter, whose regulation by TetR and anhydrotetracycline spans ~5000-fold. Multiple cloning sites (KpnI, XbaI, HindIII, BamHI) follow, with T1T2 terminators downstream.

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 ℃.