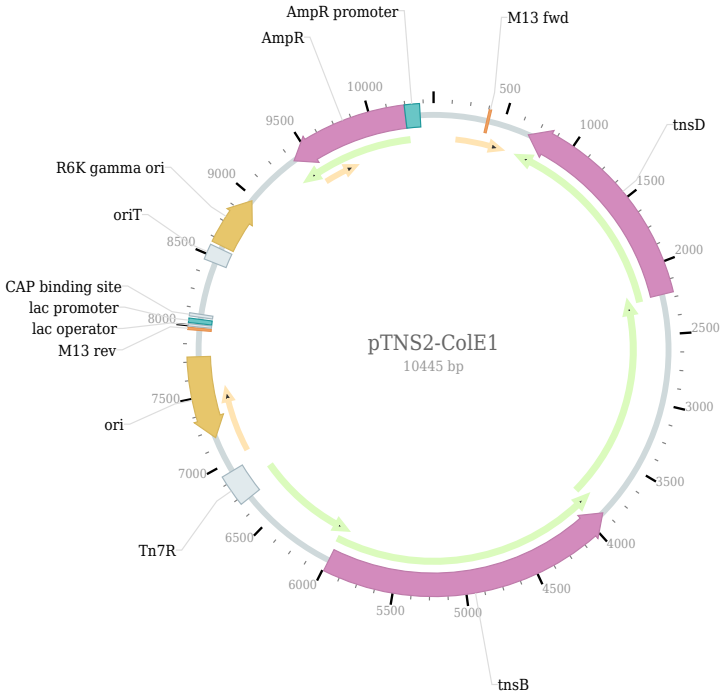
pTNS2-ColE1

Vector ID	V002577
Antibiotic Resistance	Ampicillin
Length	10445 bp
Vector Type	Tn7 transposase expression vector

Product Information

Replication Origin	R6K γ ori and ColE1 ori
Source/Author	Lee KW, Periasamy S, Mukherjee M, Xie C, Kjelleberg S, Rice SA.
Growth Strain(s)	DH5α-λpir
Comment	pTNS2-ColE1 is a Tn7 transposase helper plasmid made by inserting a ColE1 ori. It carries the TnsD site-selector, TnsB transposase, oriT, and AmpR. Retaining both ColE1 and R6K γ origins, it persists in non-λpir recipients while an R6K suicide delivery plasmid delivers mini-Tn7 for attTn7 chromosomal integration.

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 ℃.