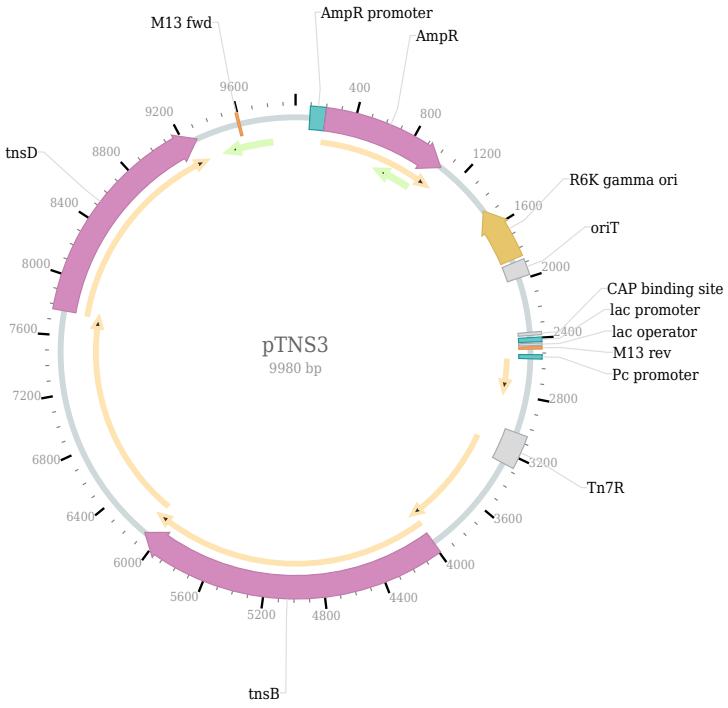
pTNS3

Vector ID	V002574
Antibiotic Resistance	Ampicillin
Length	9980 bp
Vector Type	Tn7 transposase expression vector

Product Information

Replication Origin	R6K γ ori
Source/Author	Choi KH, Mima T, Casart Y, Rholl D, Kumar A, Beacham IR, Schweizer HP.
Promoter	Pc
Growth Strain(s)	DH5α-λpir
Growth Temperature	37℃
Comment	pTNS3 is a helper plasmid for mini-Tn7 transposition. It expresses the tnsABCD genes from tandem P1 and Plac promoters, enabling highly efficient, site-specific chromosomal integration of genetic elements in bacteria like Burkholderia pseudomallei.

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 ℃.