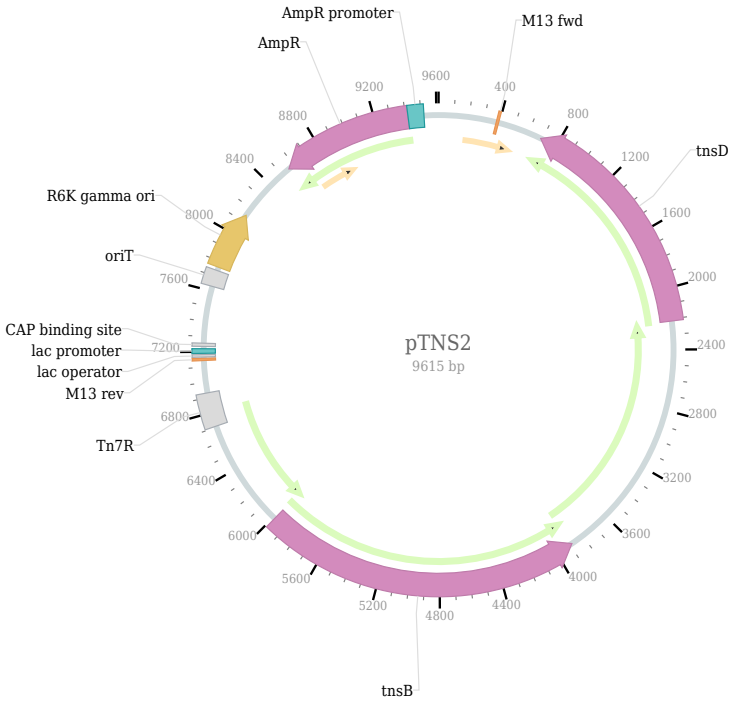
pTNS2

Vector ID	V002576
Antibiotic Resistance	Ampicillin
Length	9615 bp
Vector Type	T7 transposase expression vector

Product Information

Replication Origin	R6K γ ori
Source/Author	Choi KH, Gaynor JB, White KG, Lopez C, Bosio CM, Karkhoff-Schweizer RR, Schweizer HP.
Growth Strain(s)	DH5α- λpir
Growth Temperature	37℃
Comment	pTNS2 is a helper plasmid for Tn7 transposition (Tn7 transposase expression), carrying the tnsABCD genes encoding transposase enzymes. It has an R6K origin, requires Pir1 strains for replication, confers ampicillin resistance, and is used to integrate DNA into bacterial chromosomes at specific attTn7sites

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 ℃.