pBT2

Vector ID	V012975
Antibiotic Resistance	Ampicillin
Length	7000 bp
Host	Staphylococcus aureus

Product Information

Replication Origin	ori
Selection Marker	Chl
Growth Strain(s)	DH10B
Growth Temperature	30℃
Comment	pBT2 is a temperature-sensitive E. coli-Staphylococcusshuttle vector used for gene knockout in Gram-positive bacteria. It is low-copy, with ampicillin resistance in E. coliand chloramphenicol resistance in staphylococci. Its replication is functional at 30°C but not at higher temperatures, facilitating genetic manipulation.

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 ℃.