pHT254

Vector ID	V013187
Accession ID	pHT-254
Antibiotic Resistance	Ampicillin
Length	7938 bp
Vector Type	Protein expression
Host	Bacillus subtilis

Product Information

Replication Origin	ori
Selection Marker	Chl
Promoter	Pgrac
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pHT254 is an E. coli–B. subtilis shuttle vector for IPTG-inducible intracellular expression of C-terminally 8×His-tagged proteins in B. subtilis. It combines the strong Pgrac100 promoter with a vector-encoded lacI, AmpR for E. coli, and chloramphenicol acetyltransferase for B. subtilis.

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 ℃.