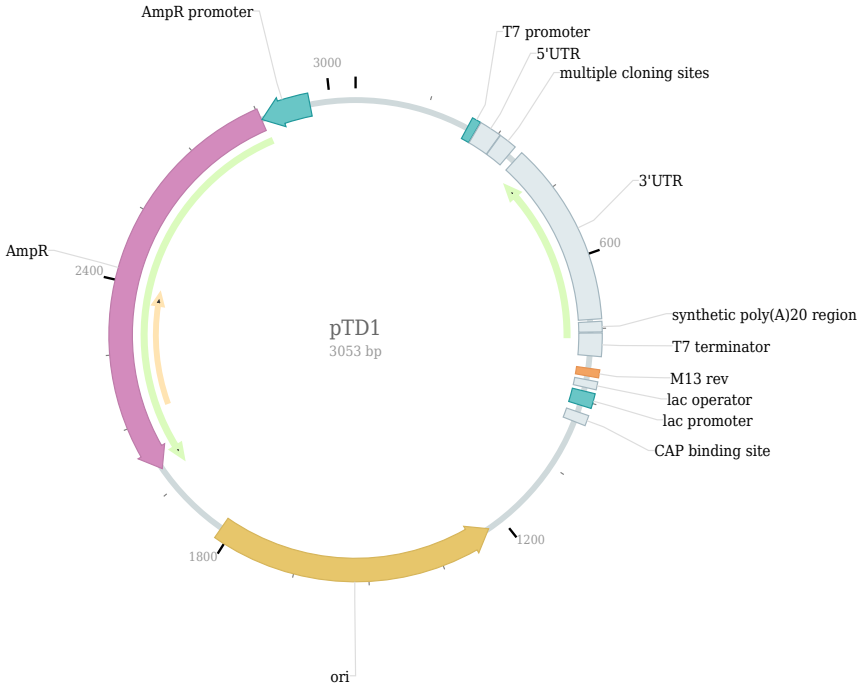
pTD1

Vector ID	V002761
Antibiotic Resistance	Ampicillin
Length	3053 bp
Vector Type	Expression vector

Product Information

Replication Origin	ori
Source/Author	Suzuki T, Ito M, Ezure T, Kobayashi S, Shikata M, Tanimizu K, Nishimura O.
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pTD1 is a vector optimized for insect cell-free protein synthesis: T7 promoter, baculovirus polyhedrin 5' UTR translation enhancer, MCS, polyhedrin 3' UTR, and poly(A)/T7 terminator. Drives high-yield cell-free synthesis of eukaryotic proteins in insect lysate (Suzuki et al. 2006).

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 ℃.