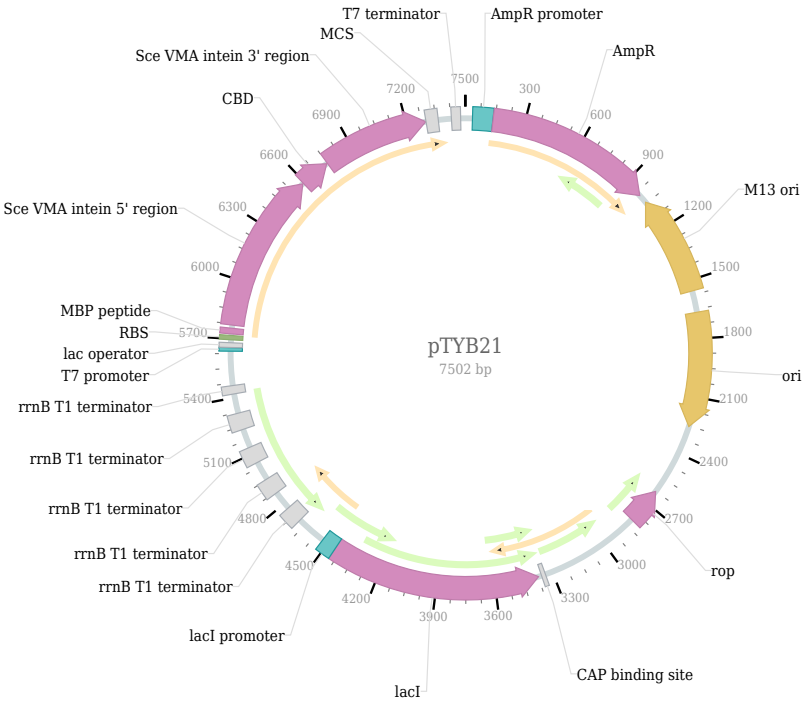
pTYB21

Vector ID	V012374
Antibiotic Resistance	Ampicillin
Length	7502 bp
Vector Type	Cloning Vectors

Product Information

Replication Origin	ori
Source/Author	Chong S, Montello GE, Zhang A, Cantor EJ, Liao W, Xu MQ, Benner J.
Copy Number	High copy number
Growth Strain(s)	Top10
Comment	pTYB21 is a 7,514-bp E. coli expression vector from the IMPACT system. It fuses the Sce VMA intein and a Bacillus circulans chitin-binding domain to the N-terminus of the target protein. Thiol-induced self-cleavage releases the protein during a single chitin-column purification. Ampicillin resistant; requires T7 RNA polymerase hosts.

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 ℃.