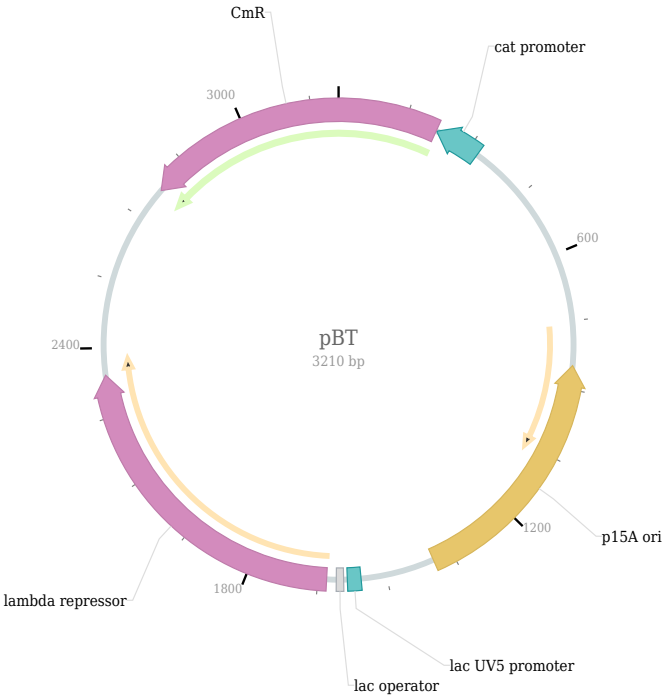
pBT

Vector ID	V009019
Antibiotic Resistance	Chloramphenicol
Length	3210 bp
Vector Type	Cloning vector

Product Information

Replication Origin	p15A ori
Source/Author	Grafsky AJ III.
Copy Number	Medium copy number
Growth Strain(s)	JM109
Growth Temperature	37℃
Comment	pBT is the bait plasmid of Stratagene's Bacterio Match II bacterial two-hybrid system. Full-length phage λ cI (236 aa) is expressed from an IPTG-inducible lac UV5 promoter; a downstream MCS (NotI–EcoRI–SmaI–BamHI–XhoI–BglII) fuses the bait to the cI C-terminus, NotI supplying a short alanine linker. The plasmid carries cat (chloramphenicol resistance) and a medium-copy p15A origin, compatible with ColE1 plasmids such as prey vector pTRG.

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 ℃.