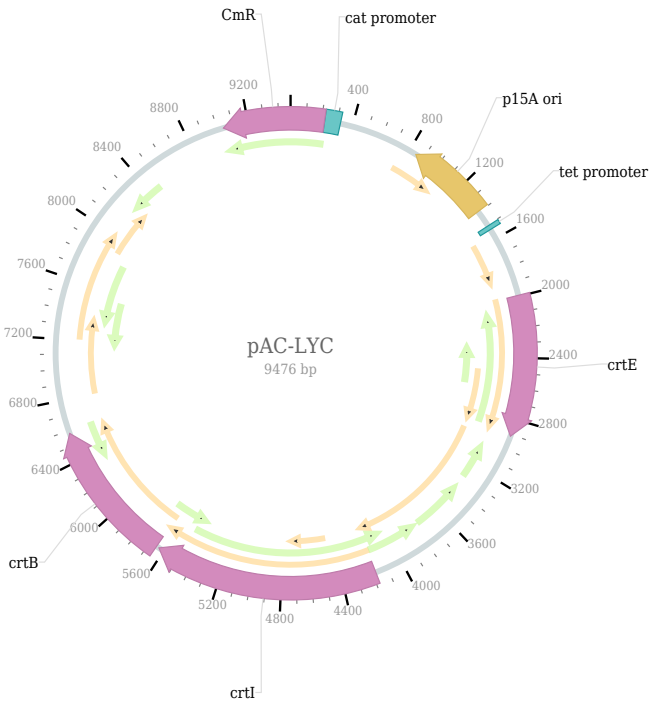
pAC-LYC

Vector ID	V014693
Antibiotic Resistance	Chloramphenicol
Length	9476 bp
Vector Type	Gene cloning
Host	E. coli

Product Information

Replication Origin	p15A ori
Growth Strain(s)	Top10
Growth Temperature	30℃
Comment	pAC-LYC is a 9.476 kb pACYC184-derived plasmid with chloramphenicol resistance. It retains Erwinia herbicola crtE, crtB and crtI genes to drive exclusive lycopene accumulation in E. coli. Compatible with pTrcHis vectors, it serves as a colorimetric reporter for lycopene cyclase activity via pink-to-yellow colony shift.

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 ℃.