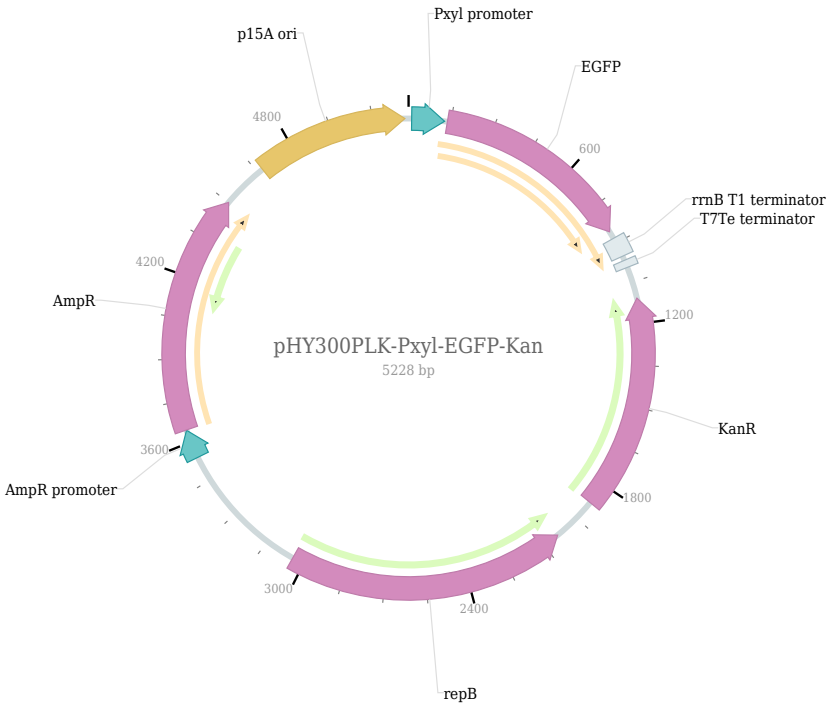
pHY300PLK-Pxyl-EGFP-Kan

Vector ID	V013979
Antibiotic Resistance	Ampicillin
Length	5228 bp
Vector Type	Protein expression
Host	Bacillus subtilis

Product Information

Replication Origin	p15A ori
Promoter	Pxyl
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pHY300PLK-Pxyl-EGFP-Kan is a derivative of the E. coli/B. subtilis shuttle vector pHY300PLK (Ishiwa & Shibahara 1985) engineered with the xylose-inducible Pxyl promoter driving EGFP. The parental backbone carries tetracycline resistance functional in both hosts plus ampicillin for E. coli; this construct adds a kanamycin marker for selection in 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 ℃.