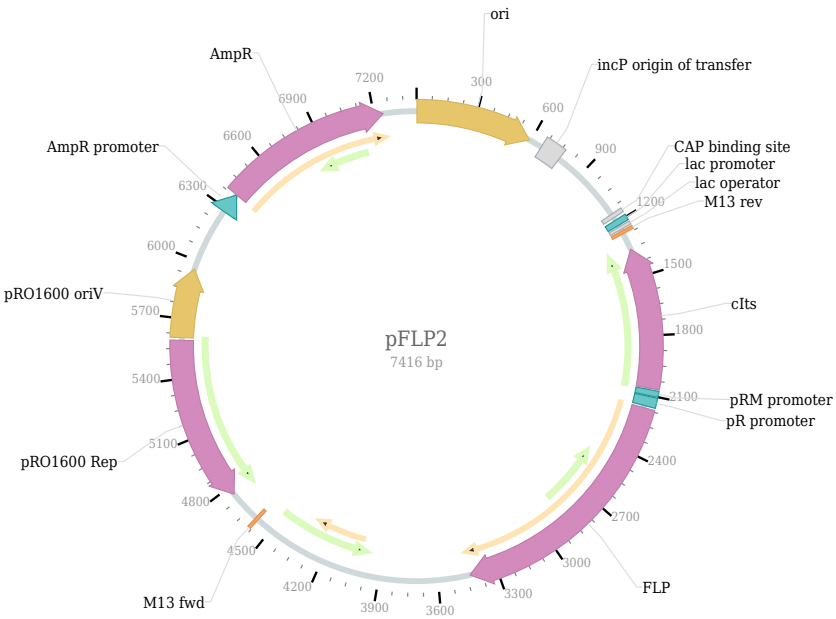
pFLP2

Vector ID	V006225
Antibiotic Resistance	Ampicillin
Length	7416 bp
Vector Type	Site-specific excision vector

Product Information

Replication Origin	ori
Source/Author	Hoang TT, Karkhoff-Schweizer RR, Kutchma AJ, Schweizer HP.
Promoter	sacB
Growth Strain(s)	DH10B
Growth Temperature	30℃
Comment	The temperature sensitive λ cI repressor protein has a cI857 mutation that results in denaturation of the repressor when the temperature is raised from 30 to 42°C, thereby allowing lambda promoter expression. The repressor normally negatively regulates the expression of genes from the bacteriophage lambda pL and pR promoters. This repressive action is strongest at 30°C. However, when the temperature is raised, typically to 42°C, the functionality of the protein is lost and the cI repressor is no longer able to bind to the operators on its promoter. Therefore, lambda promoter(pL/pR) expression increases.This plasmid is unstable and SacB is prone to deletion. This version does not contain SacB. Please note.

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 ℃.