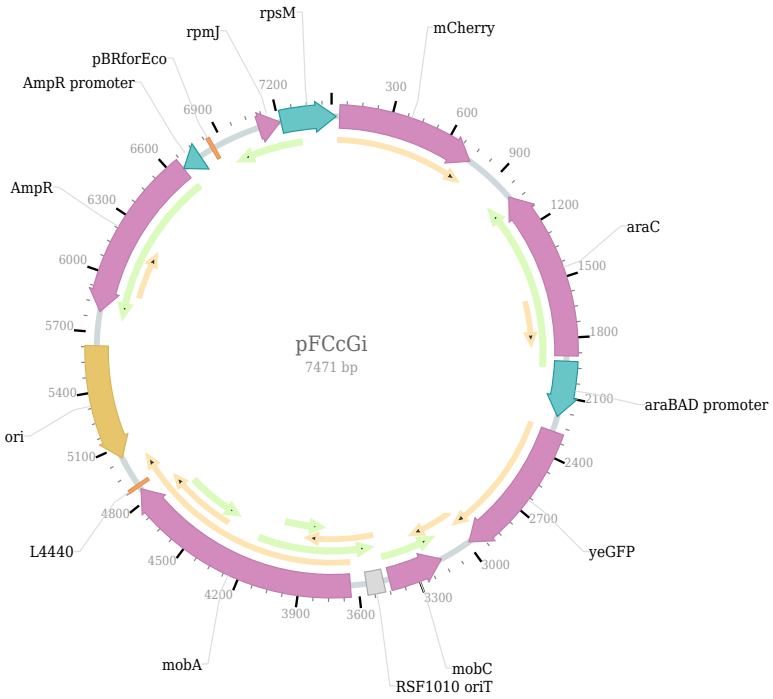
pFCcGi

Vector ID	V000516
Antibiotic Resistance	Ampicillin
Length	7471 bp
Vector Type	Bacterial Expression

Product Information

Replication Origin	ori
Promoter	araBAD
5' Primer	PBAD-F
3' Primer	PBAD-R
Comment	pFCcGi is a 7.4 kb dual-fluorescence reporter for bacteria. It uses an L-arabinose-inducible pBAD promoter to drive GFP, while mCherry is expressed constitutively for normalization. The plasmid carries ampicillin resistance (Ampr) and the RSF1010 origin for replication in diverse Gram-negative hosts. Ideal for real-time, ratiometric gene expression studies.

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 ℃.