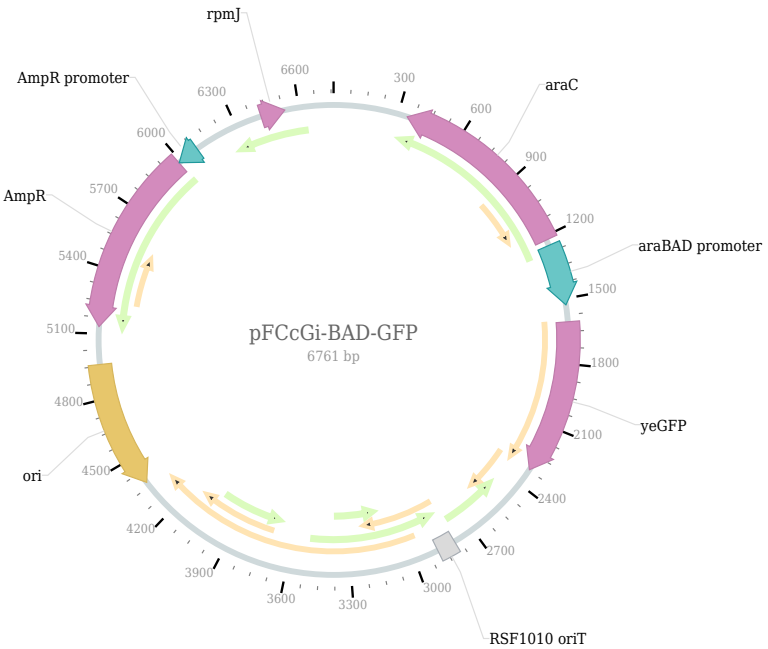
pFCcGi-BAD-GFP

Vector ID	V014096
Antibiotic Resistance	Ampicillin
Length	6761 bp
Vector Type	Protein expression
Host	Salmonella

Product Information

Replication Origin	ori
Copy Number	High copy number
Promoter	araBAD
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pFCcGi-BAD-GFP is a bacterial expression vector for arabinose-inducible GFP production in Salmonella. The araC gene and araBAD (P_BAD) promoter drive tightly regulated expression of yeast-enhanced GFP (yeGFP). A ColE1/pBR322 origin supports high-copy propagation in E. coli, and the RSF1010 oriT permits conjugative transfer. Ampicillin resistance (AmpR) enables selection in both hosts. Propagation strain DH5α at 37 °C.

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 ℃.