pGLO

Vector ID	V012008
Antibiotic Resistance	Ampicillin
Length	5371 bp
Vector Type	Fluorescent Protein Genes & Plasmids

Product Information

Replication Origin	ori
Source/Author	Bio-Rad
Copy Number	High copy number
Promoter	araBAD
Growth Strain(s)	Top10
Comment	pGLO is an engineered teaching plasmid for bacterial transformation experiments. It carries the Aequorea victoria GFP gene under the arabinose-inducible araBAD promoter (regulated by AraC), a bla ampicillin-resistance marker, ori, and an MCS, allowing selection of transformants on ampicillin and induction of green fluorescence with arabinose.

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 ℃.