pJ23119-EGFP-SUL1-Tet-tetG

Vector ID	V014234
Antibiotic Resistance	Ampicillin, Tetracycline
Length	5399 bp
Vector Type	Protein expression
Host	E. coli

Product Information

Replication Origin	ori
Promoter	J23119(SpeI)
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pJ23119-EGFP-pJ23119-SUL1-Tet-tetG is an E. coli synthetic-biology expression plasmid. A constitutive BBa_J23119 (SpeI-modified) promoter drives EGFP; the sulfonamide-resistance gene sulI (dihydropteroate synthase type-1) is fused to the C-terminal of EGFP, and a tet promoter directs a tetracycline-efflux (tetG) cassette. An AmpR/ColE1-pUC backbone (ampicillin resistance) enables propagation in DH5a.

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 ℃.