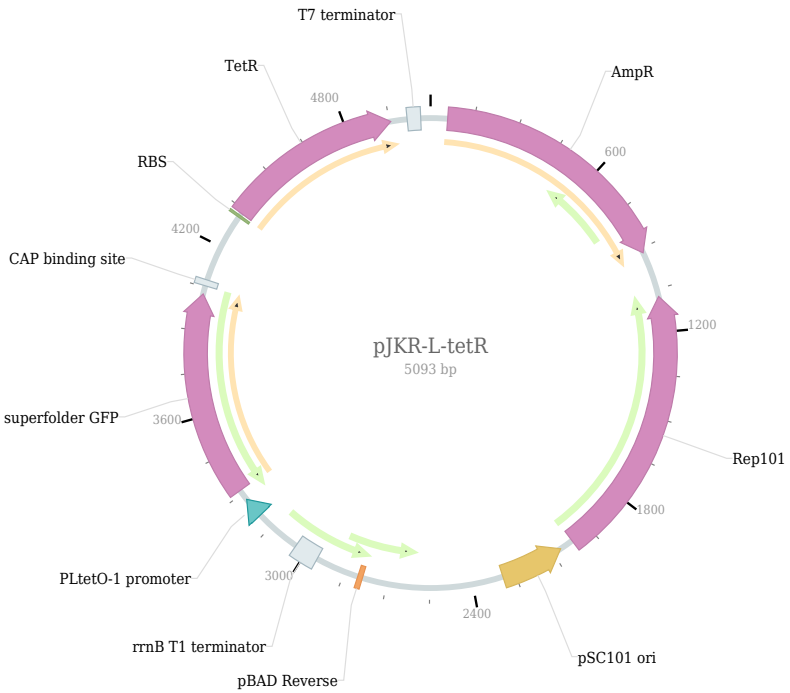
pJKR-L-tetR

Vector ID	V000381
Antibiotic Resistance	Ampicillin
Length	5093 bp
Vector Type	Bacterial Expression

Product Information

Replication Origin	pSC101 ori
Copy Number	Low Copy
Promoter	PLtetO-1
Growth Strain(s)	DH10B
Comment	pJKR-L-tetR is a low-copy, SC101-based E. coli tetracycline biosensor. TetR represses the tetO-regulated promoter in the absence of an inducer; tetracycline binding releases TetR, so GFP output scales with tetracycline/doxycycline concentration for real-time monitoring.

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 ℃.