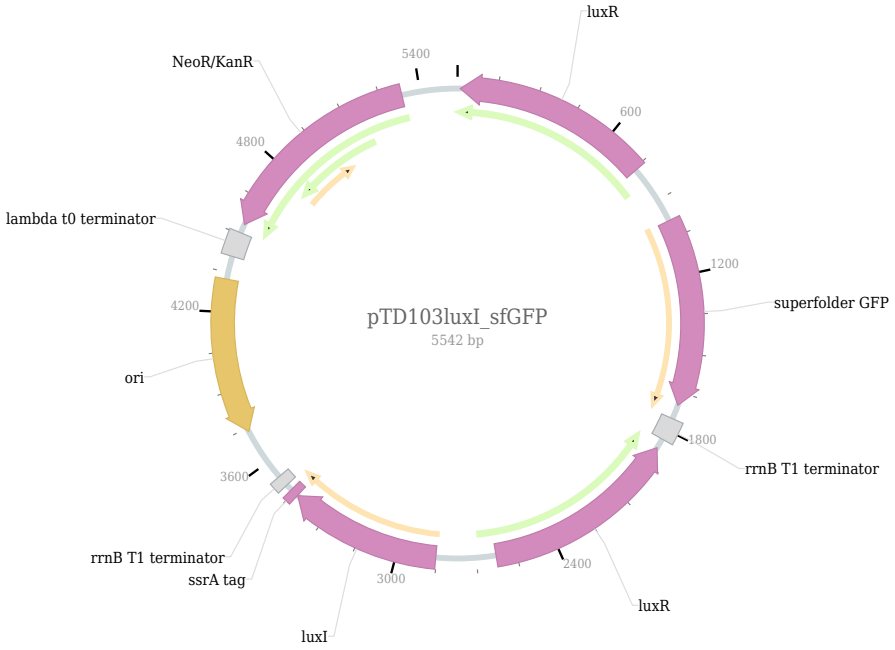
pTD103luxI_sfGFP

Vector ID	V016809
Antibiotic Resistance	Kanamycin
Length	5542 bp
Vector Type	Signal transduction
Host	E. coli

Product Information

Replication Origin	ori
Copy Number	High copy number
Promoter	Luxlp
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pTD103luxI_sfGFP is a high-copy E. coli plasmid encoding the quorum-sensing synthase LuxI (with ssrA-LAA degradation tag) and superfolder GFP (sfGFP), designed for studying population-dependent gene expression dynamics via LuxI/LuxR-mediated positive feedback.

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 ℃.