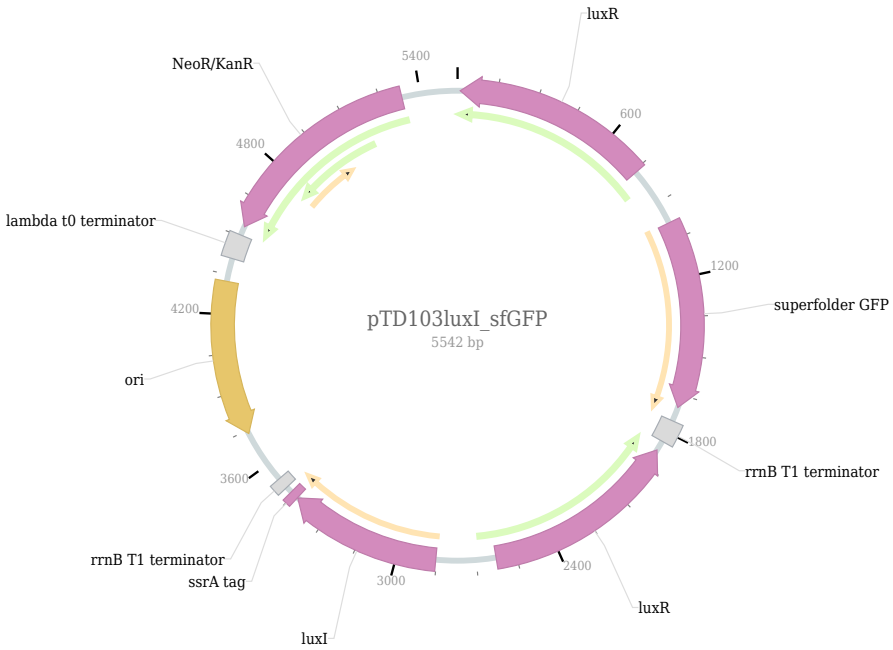
# pTD103luxI_sfGFP

| | |
|---|---|
| **载体编号 Vector ID** | V016809 |
| **抗性 Antibiotic Resistance** | Kanamycin |
| **长度 Length** | 5542 bp |
| **载体类型 Vector Type** | Signal transduction |
| **宿主 Host** | E. coli |

## 产品信息

| | |
|---|---|
| **复制子 Replication Origin** | ori |
| **拷贝数 Copy Number** | High copy number |
| **启动子 Promoter** | Luxlp |
| **培养菌株 Growth Strain(s)** | DH10B |
| **培养温度 Growth Temperature** | 37℃ |
| **备注 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. |

## 质粒图谱



## 复溶方法

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 ℃.