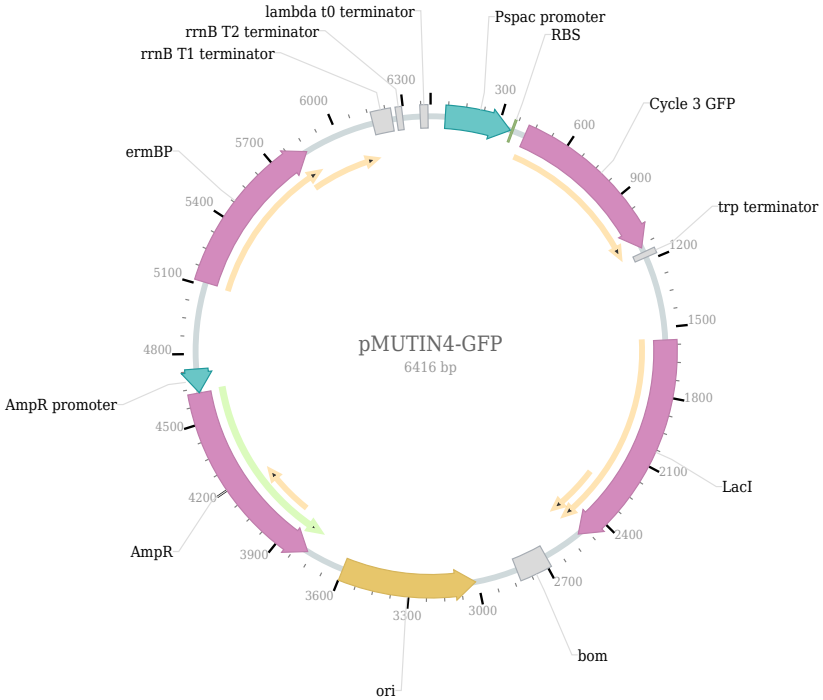
pMUTIN4-GFP

载体编号 Vector ID	V013029
抗性 Antibiotic Resistance	Ampicillin
长度 Length	6416 bp
载体类型 Vector Type	Protein expression
宿主 Host	Bacillus subtilis

产品信息

复制子 Replication Origin	ori
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	pMUTIN4-GFP is a Bacillus subtilis integrative vector (pMUTIN4 backbone with GFP replacing lacZ). Single-crossover integration disrupts target genes and places downstream genes under the IPTG-inducible Pspac promoter, enabling gene essentiality analysis and real-time promoter activity monitoring via GFP fluorescence (Vagner et al. 1998).

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 ℃.