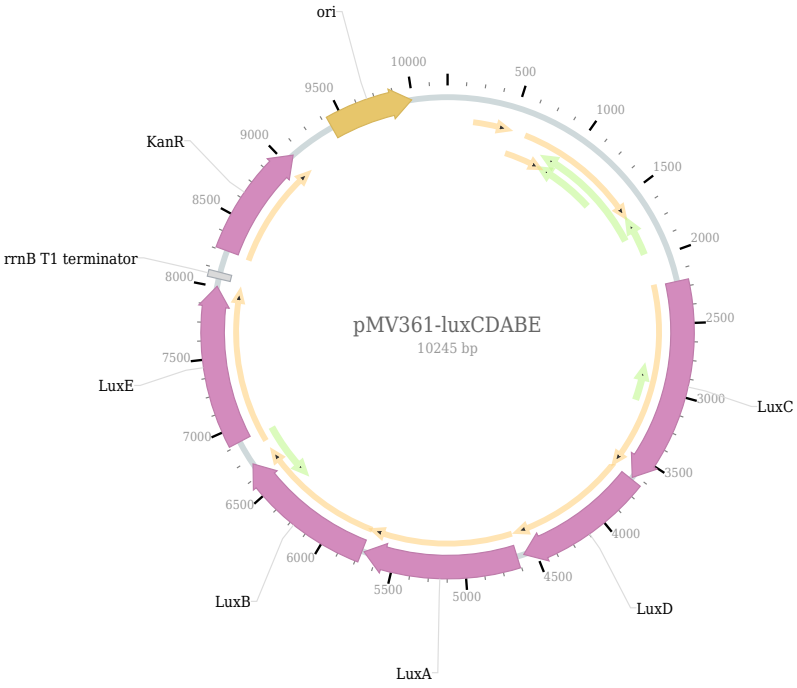
pMV361-luxCDABE

载体编号 Vector ID	V038538
抗性 Antibiotic Resistance	Kanamycin
长度 Length	10245 bp
载体类型 Vector Type	Protein expression
宿主 Host	Mycobacterium

产品信息

复制子 Replication Origin	ori
拷贝数 Copy Number	High
启动子 Promoter	hsp60
培养菌株 Growth Strain(s)	DH5a
培养温度 Growth Temperature	37℃
表达方式 Expression Method	Transient
备注 Comment	pMV361-luxCDABE (10.2 kb) is a mycobacterial integrative expression vector for real-time bioluminescence imaging. It carries the hsp60 promoter driving the full luxCDABE operon from Photorhabdus luminescens, enabling autonomous production of luciferase and its aldehyde substrate without exogenous addition. The vector integrates into the mycobacterial chromosome via the integrase gene and is selectable with KanR (kanamycin). It contains a pUC ori for high-copy propagation in E. coli and rrnB terminators for transcriptional stability.

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 ℃.