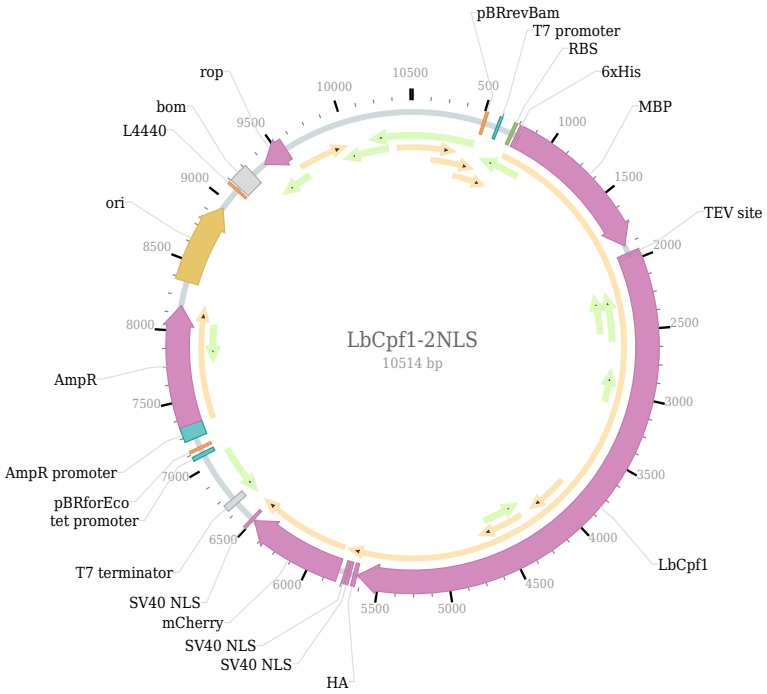
LbCpf1-2NLS

载体编号 Vector ID	V012200
抗性 Antibiotic Resistance	Ampicillin
长度 Length	10514 bp
载体类型 Vector Type	Bacterial Expression

产品信息

复制子 Replication Origin	ori
拷贝数 Copy Number	High Copy
启动子 Promoter	tet
克隆方法 Cloning Method	Gibson Cloning
5'引物 5' Primer	T7 Pro
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	This is a 10514 bp vector, LbCpf1-2NLS, designed for expressing the LbCpf1 nuclease. It features a T7 promoter for high-level expression, followed by a 6xHis tag and MBP fusion partner. The LbCpf1 coding sequence is flanked by SV40 NLS signals to ensure nuclear localization. A downstream mCherry reporter with an HA tag allows for visualization, while the pBRrevBam origin and AmpR gene enable replication and selection in E.coli.

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 ℃.