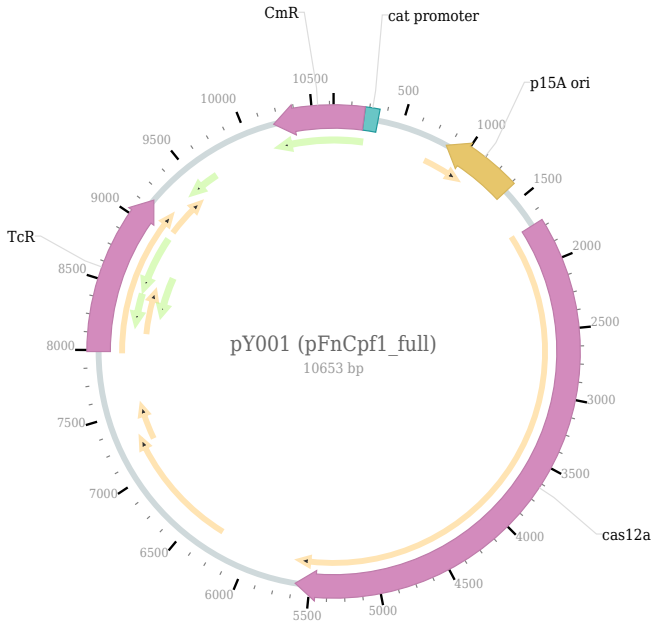
pY001 (pFnCpf1_full)

载体编号 Vector ID	V011391
抗性 Antibiotic Resistance	Chloramphenicol
长度 Length	10653 bp
载体类型 Vector Type	Bacterial Expression, CRISPR

产品信息

复制子 Replication Origin	p15A ori
拷贝数 Copy Number	Low Copy
培养菌株 Growth Strain(s)	Stbl3
备注 Comment	pY001 (pFnCpf1_full) (10.7 kb) is a bacterial CRISPR expression vector for genome editing in E. coli. It encodes the full FnCpf1 locus from Francisella tularensis subsp. novicida, including the Cas12a (formerly Cpf1) endonuclease and CRISPR array spacers 1-4. The vector uses a p15A origin for low-copy replication and carries CmR (chloramphenicol resistance) and TcR (tetracycline resistance) for dual antibiotic selection. It is based on the pACYC184 backbone

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 ℃.