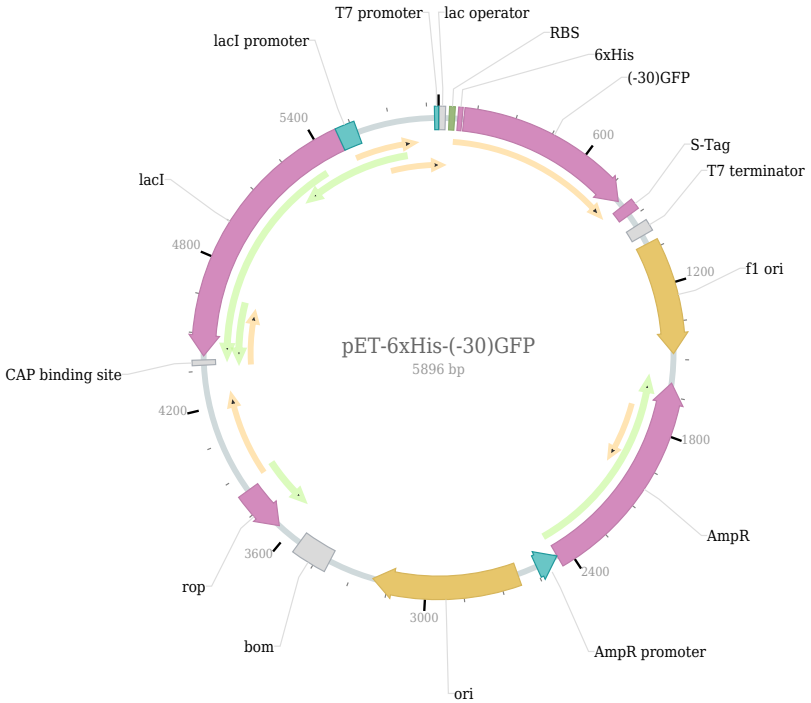
pET-6xHis-(-30)GFP

载体编号 Vector ID	V015226
抗性 Antibiotic Resistance	Ampicillin
长度 Length	5896 bp
载体类型 Vector Type	Protein expression
宿主 Host	E. coli

产品信息

复制子 Replication Origin	ori
培养菌株 Growth Strain(s)	Top10
培养温度 Growth Temperature	37℃
备注 Comment	pET-6xHis-(-30)GFP is a T7-driven E. coli expression plasmid from Liu's lab for producing supernegatively charged (-30)GFP fused to genome-editing proteins. Its N-terminal 6×His tag enables Ni-affinity purification, and the highly anionic (-30)GFP tag allows electrostatic complexation with commercial cationic lipid transfection reagents. Fusion proteins like (-30)GFP-Cre or (-30)GFP-Cas9 can be efficiently delivered into mammalian cells and mouse inner ear hair cells with serum tolerance and low toxicity. This vector supports virus-free, transient protein delivery with much higher genome editing specificity than plasmid DNA transfection.

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 ℃.