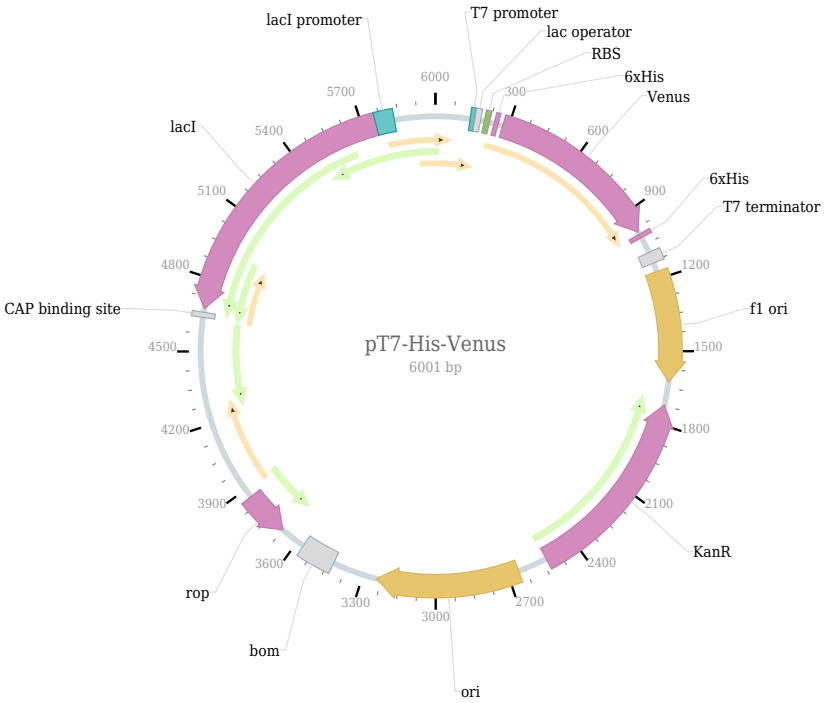
pT7-His-Venus

载体编号 Vector ID	V013199
抗性 Antibiotic Resistance	Kanamycin
长度 Length	6001 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)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	pT7-His-Venus is a 6001-bp kanamycin-resistant E. coli T7 expression vector expressing an N-terminal His6-tagged Venus yellow fluorescent protein (Nagai et al., 2002). In BL21(DE3), IPTG-induced T7 RNA polymerase drives expression; the His tag enables Ni-NTA purification. Venus matures rapidly (~2 min at 37°C) with improved acid and chloride tolerance, ideal for FRET and labeling.

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 ℃.