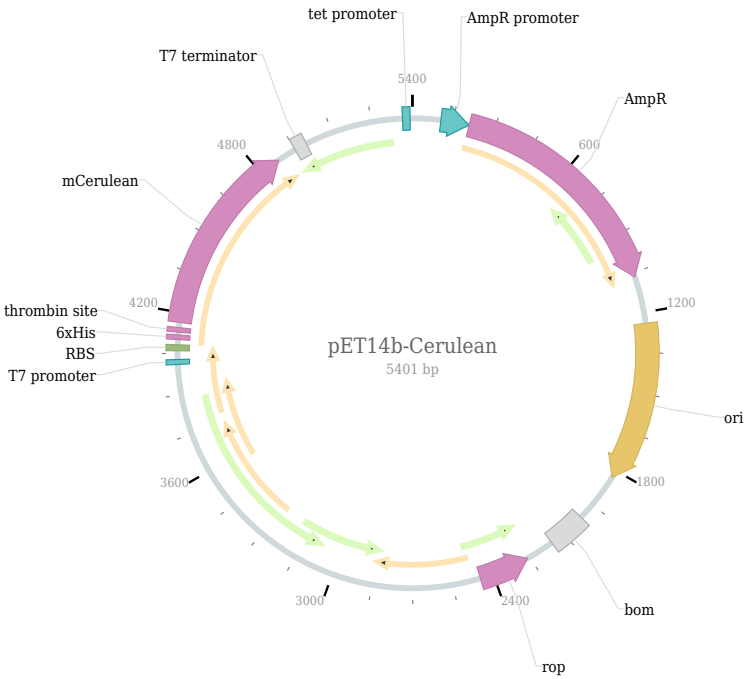
pET14b-Cerulean

载体编号 Vector ID	V014354
抗性 Antibiotic Resistance	Ampicillin
长度 Length	5401 bp
载体类型 Vector Type	Protein expression
宿主 Host	E. coli

产品信息

复制子 Replication Origin	ori
启动子 Promoter	tet
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	pET14b-Cerulean is an ~5.4 kb E. coli expression plasmid for inducible production of the cyan fluorescent protein Cerulean. It uses a T7 promoter/RBS and gives an N-terminal 6×His tag plus thrombin site for IMAC purification and tag removal. The construct is ideal for fluorescence assays, protein characterization, or structural studies, with AmpR and ori for bacterial selection and propagation.

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 ℃.