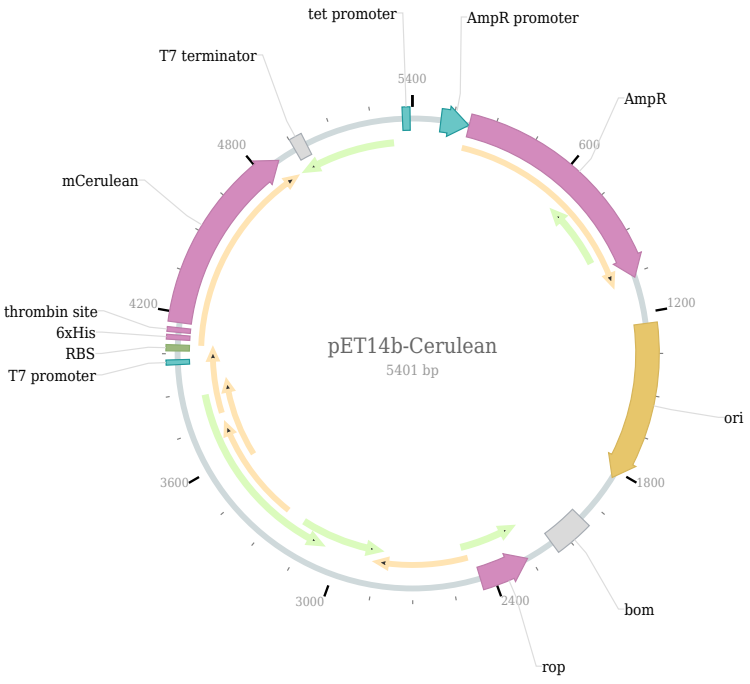
pET14b-Cerulean

Vector ID	V014354
Antibiotic Resistance	Ampicillin
Length	5401 bp
Vector Type	Protein expression
Host	E. coli

Product Information

Replication Origin	ori
Promoter	tet
Growth Strain(s)	DH10B
Growth Temperature	37℃
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.

Vector Map



Plasmid Resuspension Protocol

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 ℃.