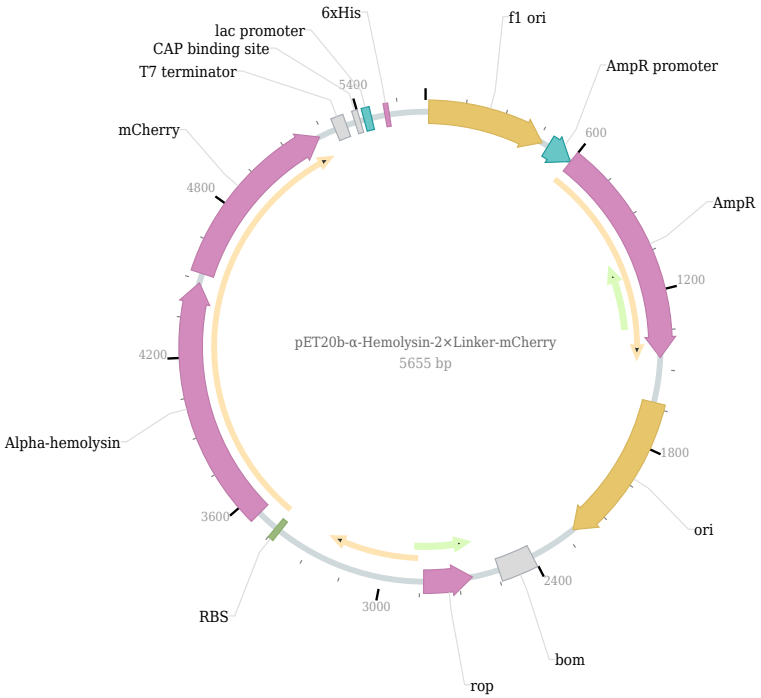
pET20b-α-Hemolysin-2×Linker-mCherry

Vector ID	V013688
Antibiotic Resistance	Ampicillin
Length	5655 bp
Vector Type	Protein expression
Host	E. coli

Product Information

Replication Origin	ori
Promoter	T7
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	This is a 5655 bp bacterial expression vector, pET20b-α-Hemolysin-2×Linker-mCherry. It is designed for IPTG-inducible expression of the α-Hemolysin protein fused with mCherry, facilitated by a T7 promoter and ribosome-binding site (RBS). The construct includes a 6xHis tag for affinity purification and utilizes the pET system for high-level protein production in E. coli. The plasmid also contains an AmpR gene for antibiotic selection.

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 ℃.