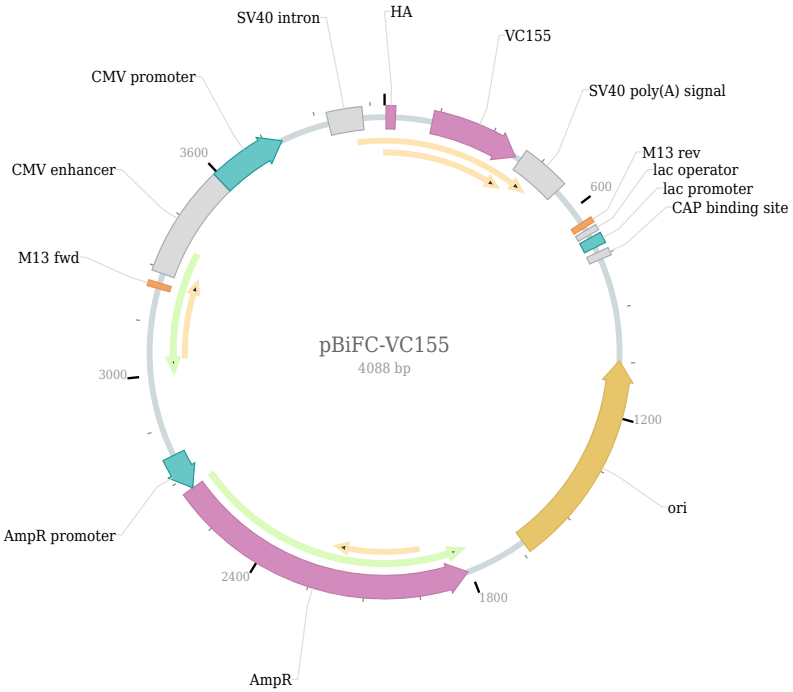
pBiFC-VC155

载体编号 Vector ID	V007265
抗性 Antibiotic Resistance	Ampicillin
长度 Length	4088 bp
载体类型 Vector Type	Bimolecular fluorescent complementation vectors (B

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	VC155
5' 引物 5' Primer	CMV-F
3' 引物 3' Primer	EBV-Rev
融合标签 Fusion Tag	HA
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	pBiFC-VC155 is a mammalian BiFC plasmid carrying Venus's C-terminal fragment VC155 (residues 155–238) tagged with HA epitope. It pairs with Venus N-fragment vectors like pBiFC-VN173 to reconstruct intact fluorophores when fused proteins interact at 37°C without low-temperature pre-incubation. This construct yields ~13-fold higher BiFC efficiency than classic EYFP YC155 and needs less transfection plasmid DNA. It serves as a core tool to visualize protein-protein interactions and subcomplex localization in live cells for single or multicolor BiFC assays.

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 ℃.