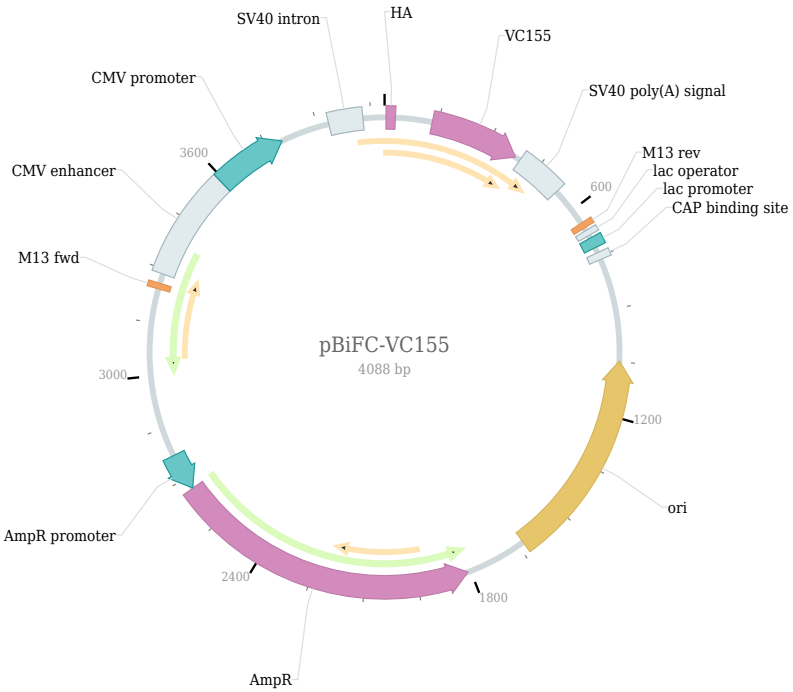
pBiFC-VC155

Vector ID	V007265
Antibiotic Resistance	Ampicillin
Length	4088 bp
Vector Type	Bimolecular fluorescent complementation vectors (B

Product Information

Replication Origin	ori
Selection Marker	VC155
5' Primer	CMV-F
3' Primer	EBV-Rev
Fusion Tag	HA
Growth Strain(s)	DH10B
Growth Temperature	37℃
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.

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 ℃.