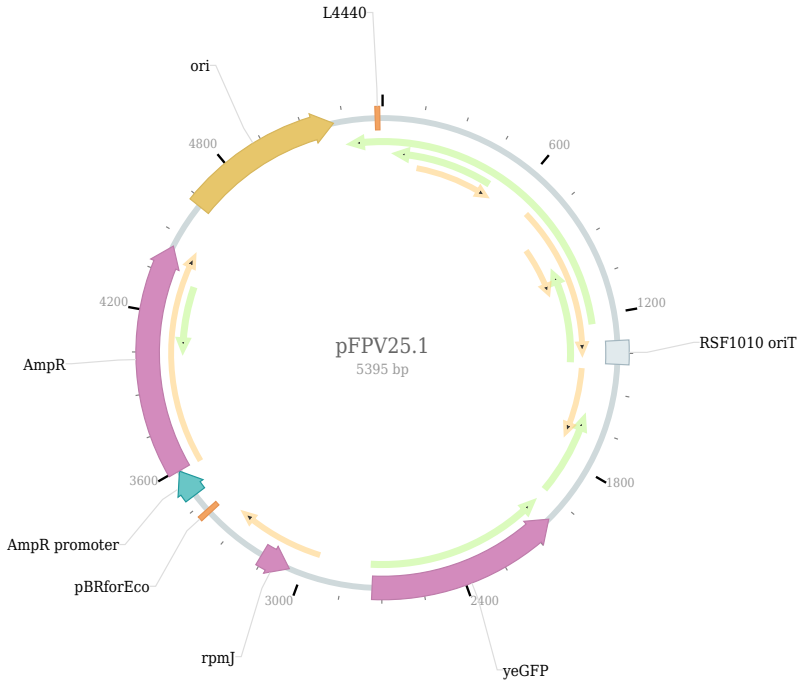
pFPV25.1

Vector ID	V010594
Antibiotic Resistance	Ampicillin
Length	5395 bp
Vector Type	Bacterial Expression

Product Information

Replication Origin	ori
Cloning Method	Restriction Enzyme
Comment	pFPV25.1 is a bacterial promoter-trap vector. It carries the Salmonella typhimurium rpsM promoter driving a gfpmut3 (GFP) reporter – this promoter is not regulated by acidic conditions. The plasmid contains an ampicillin resistance gene (Ap), a colE1 origin, and a mob locus for conjugal transfer. Unique cloning sites upstream of the promoterless gfpmut3 allow insertion of test promoters, making it a versatile tool for monitoring bacterial gene expression.

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 ℃.