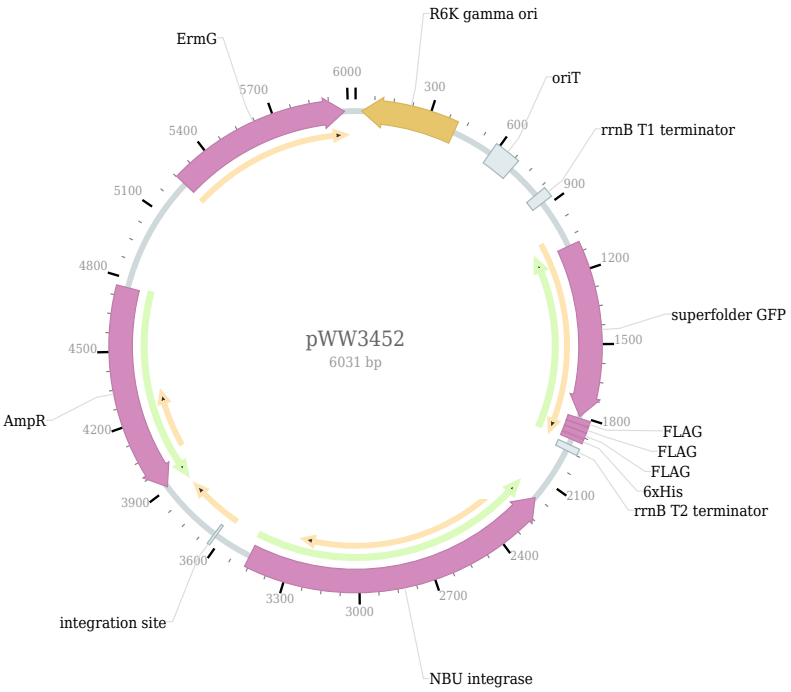
pWW3452

Vector ID	V002103
Antibiotic Resistance	Ampicillin
Length	6031 bp
Vector Type	Cloning vector

Product Information

Replication Origin	R6K γ ori
Source/Author	Whitaker WR, Shepherd ES, Sonnenburg JL.
Growth Strain(s)	GT115
Growth Temperature	37℃
Comment	The pWW3452 plasmid is a genetic tool used to express high levels of green fluorescent protein (GFP) in Bacteroides species. It integrates into the bacterial chromosome and enables bright fluorescence under nanaerobic conditions (0.1–0.14% oxygen), allowing visualization of cellular processes.

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 ℃.