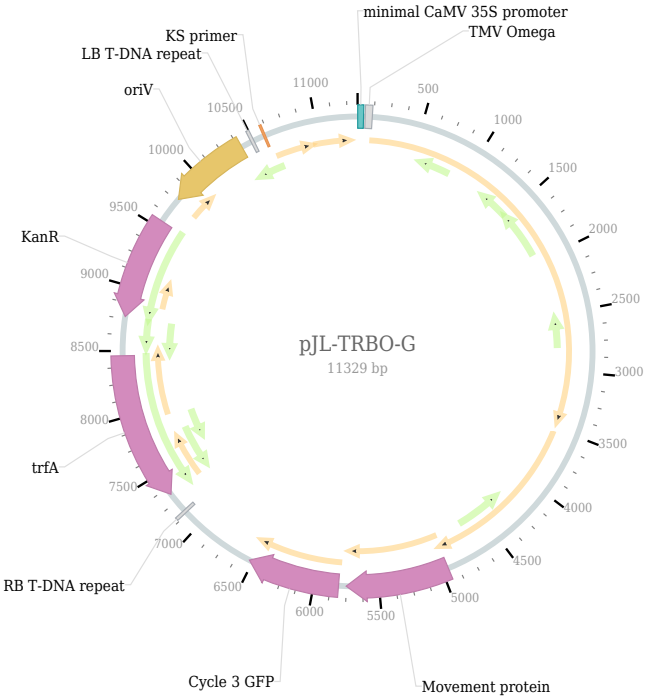
pJL-TRBO-G

Vector ID	V006590
Antibiotic Resistance	Kanamycin
Length	11329 bp
Vector Type	Plant Expression

Product Information

Replication Origin	oriV
Selection Marker	Gentamicin ; Rifampicin
Copy Number	Low Copy
Growth Temperature	30℃
Comment	Recommended culture condition: DH5α competent cells，kanamycin 50ug/ml，culture temperature 30℃ (not 37℃) pJL-TRBO-G is a Tobacco mosaic virus (TMV)-based transient expression vector for plants. It lacks the viral coat protein (CP) gene, enabling high-level recombinant protein expression (e.g., GFP) via agroinfiltration. This CP-deletion also prevents systemic spread, containing expression to infiltrated tissues.

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 ℃.