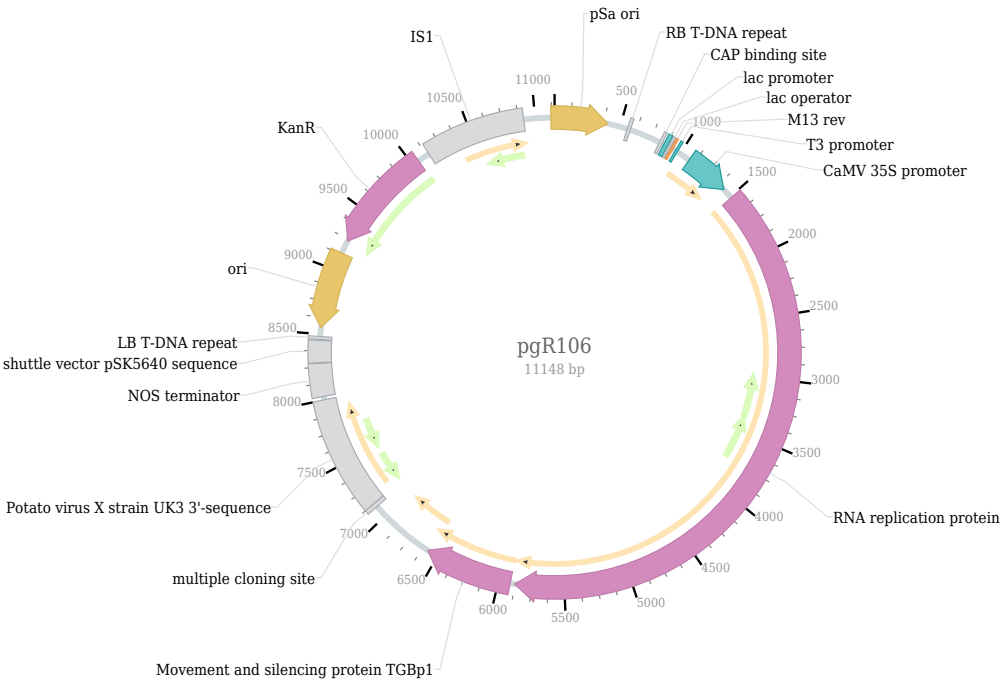
pgR106

Vector ID	V005901
Antibiotic Resistance	Kanamycin
Length	11148 bp
Vector Type	Transformation vector
Host	Plants

Product Information

Replication Origin	ori
Source/Author	Lu R, Malcuit I, Moffett P, Ruiz MT, Peart J, Wu AJ, Rathjen JP, Bendahmane A, Day L, Baulcombe DC.
Promoter	CaMV 35S
Growth Strain(s)	stbl3
Growth Temperature	37℃
Comment	pGR106 is a plant expression vector based on the potato virus X (PVX) system. It contains a 35S promoter, an intron for enhanced expression, and a GFP reporter gene, commonly used for virus-induced gene silencing (VIGS) and protein expression studies in plants.

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 ℃.