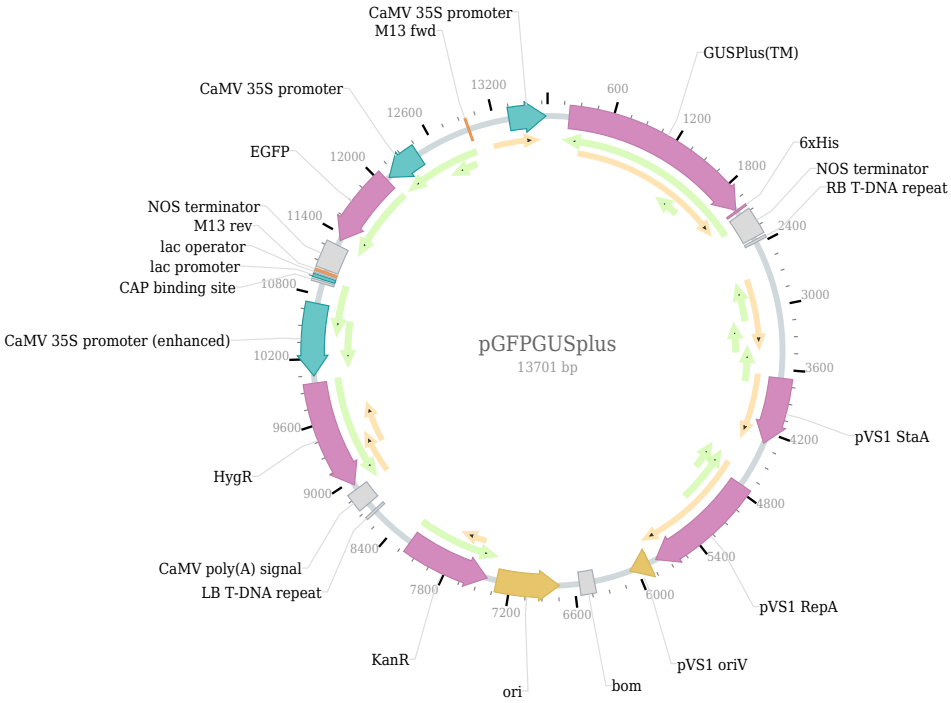
pGFPGUSplus

Vector ID	V006033
Antibiotic Resistance	Kanamycin
Length	13701 bp
Vector Type	Binary vector
Host	Plants

Product Information

Replication Origin	ori
Source/Author	Vickers CE, Schenk PM, Li D, Mullineaux PM, Gresshoff PM.
Copy Number	High copy number
Promoter	CaMV35S(long)
Growth Strain(s)	Top10
Growth Temperature	37℃
Comment	pGFPGUSPlus is a binary vector designed for plant transformation studies. It contains two reporter gene cassettes, enabling researchers to optimize new transformation systems. Once optimized, one reporter can be replaced with a gene of interest, while the other serves as a marker to identify transgenic lines and determine zygosity, facilitating efficient screening for homozygous single-insert lines.

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 ℃.