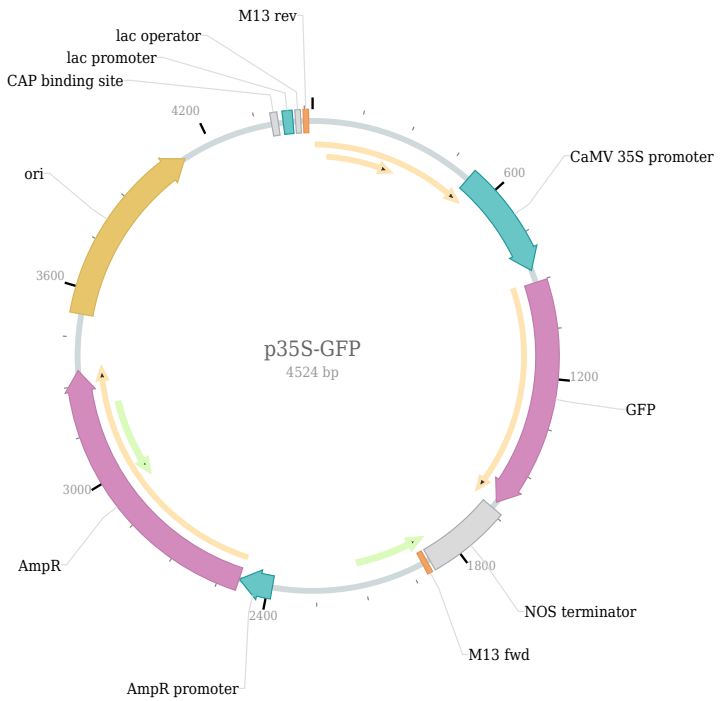
p35S-GFP

Vector ID	V009750
Antibiotic Resistance	Ampicillin
Length	4524 bp
Vector Type	Plant GFP
Host	Plants

Product Information

Replication Origin	ori
Source/Author	Niedz RP, Sussman MR, Satterlee JS.
Promoter	CaMV35S(long)
Growth Strain(s)	stbl3
Growth Temperature	37℃
Comment	p35S-GFP carries the gene for the green fluorescent protein (GFP) from the bioluminescent jellyfish Aequorea victoria. p35S-GFP was constructed by replacing the GUS coding sequence of pBI221 with a functional GFP gene, thereby placing the GFP gene under the control of the CaMV 35S promoter. Protoplasts were viewed by incident-light fluorescence microscopy 24h after electroporation. 20-60% of the protoplasts emitted an intense green light when illuminated with blue (450-490 nm) light.

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 ℃.