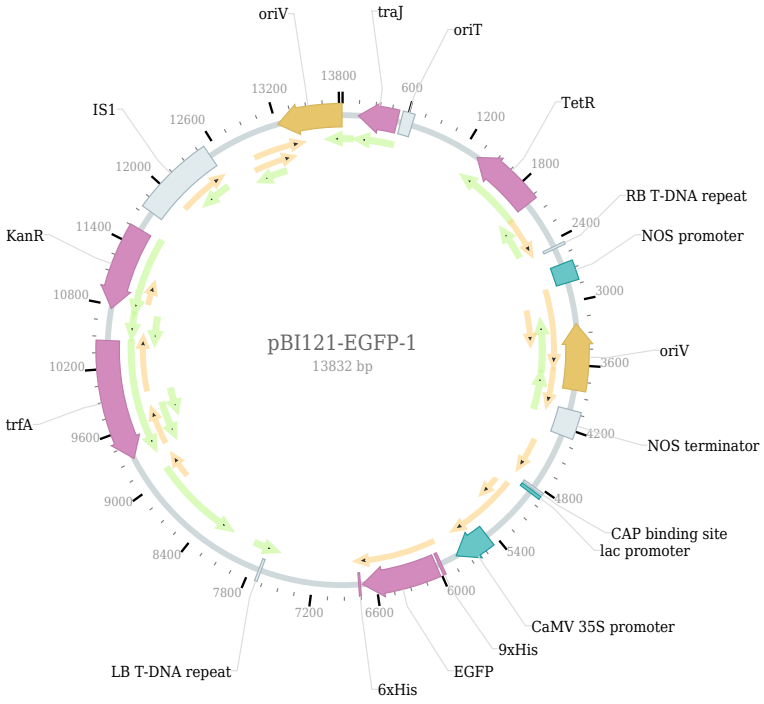
pBI121-EGFP-1

Vector ID	V012887
Antibiotic Resistance	Kanamycin
Length	13832 bp
Vector Type	Protein expression
Host	Plants

Product Information

Replication Origin	oriV
Selection Marker	Neo/G418
Promoter	NOS
Growth Strain(s)	DH5a
Growth Temperature	37℃
Comment	pBI121-EGFP-1 is a plant expression vector designed for Agrobacterium-mediated transformation. At approximately 13.8 kb, it features a CaMV 35S promoter driving the expression of an Enhanced Green Fluorescent Protein (EGFP) reporter, facilitating visualization in plant cells. It contains kanamycin resistance (KanR) for selection in bacteria and neomycin resistance (NeoR) for plants. The vector includes N- and C-terminal His-tags for protein purification and is widely used for gene function analysis and transient expression studies in species like tobacco.

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 ℃.