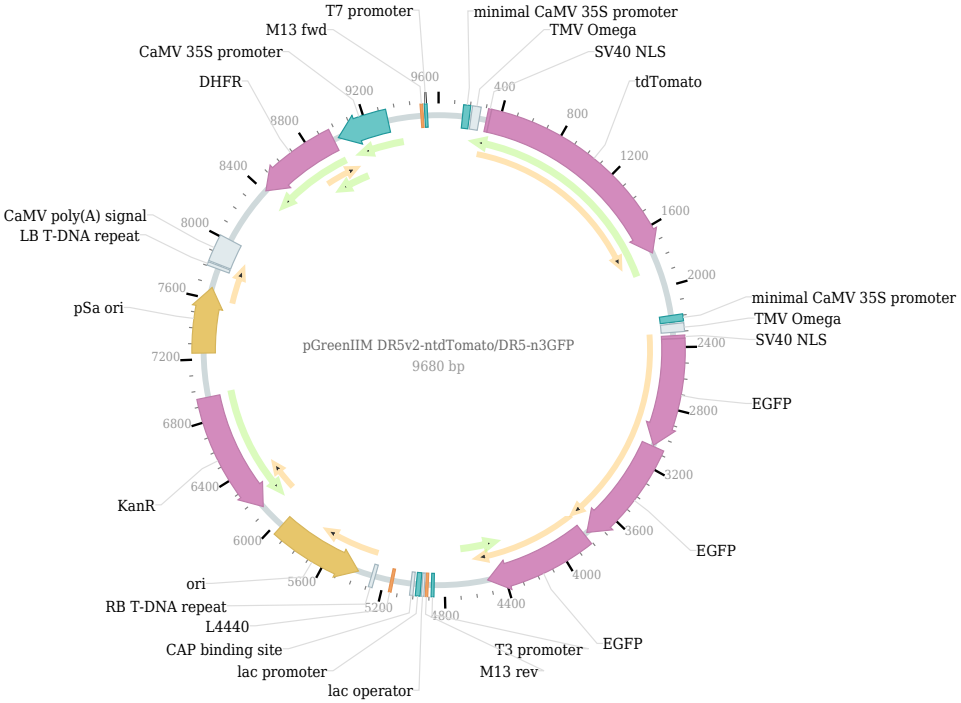
pGreenIIM DR5v2-ntdTomato/DR5-n3GFP

Vector ID	V000947
Antibiotic Resistance	Kanamycin
Length	9680 bp
Vector Type	Plant Expression
Host	Plants

Product Information

Replication Origin	pSa ori
Selection Marker	Methothrexate
Copy Number	Low Copy
Promoter	CaMV 35S
Cloning Method	Restriction Enzyme
5' Primer	dsRed1_C_primer
Growth Strain(s)	stbl3
Growth Temperature	37℃
Comment	A plant binary vector containing two auxin-responsive DR5 promoters driving different fluorescent reporters: DR5v2:ntdTomato (nuclear-localized) and DR5:n3GFP (nuclear-localized). It enables simultaneous visualization of auxin response dynamics via confocal microscopy.

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 ℃.