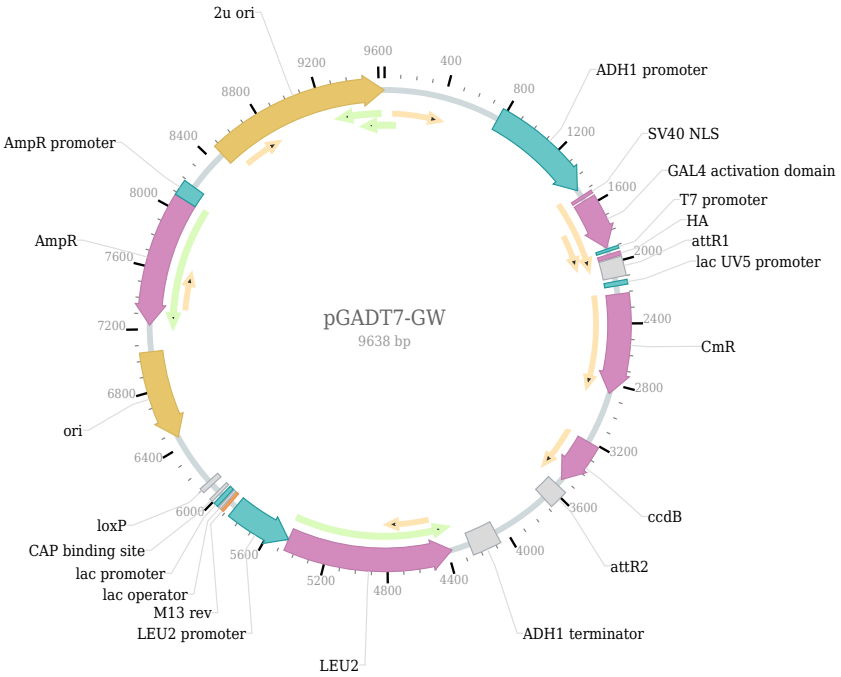
pGADT7-GW

Vector ID	V013201
Antibiotic Resistance	Ampicillin
Length	9638 bp
Vector Type	Hybridization
Host	Yeast

Product Information

Replication Origin	ori
Selection Marker	LEU2
Promoter	ADH1(long)
Growth Strain(s)	DB3.1
Growth Temperature	37℃
Comment	pGADT7-GW is a Gateway-modified prey vector derived from standard pGADT7 for yeast two-hybrid assays. It carries GAL4 activation domain (AD) and attR recombination cassettes to enable fast ORF cloning via Gateway recombination. LEU2 marker allows yeast transformant selection, and ADH1 promoter drives fusion protein expression in yeast nuclei. This vector was built and applied in the TREX-2 interaction screening of the referenced Arabidopsis study.

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 ℃.