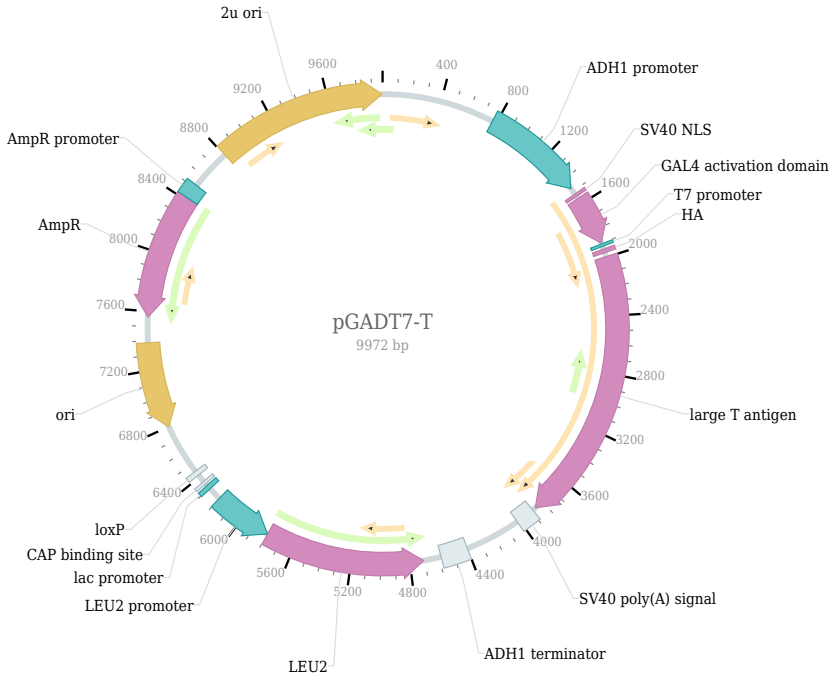
# pGADT7-T

| | |
|---|---|
| **Vector ID** | V012878 |
| **Antibiotic Resistance** | Ampicillin |
| **Length** | 9972 bp |
| **Vector Type** | Hybridization |
| **Host** | Yeast |

## Product Information

| | |
|---|---|
| **Replication Origin** | ori |
| **Selection Marker** | LEU2 |
| **Copy Number** | High copy number |
| **Promoter** | ADH1(long) |
| **Growth Strain(s)** | top10 |
| **Growth Temperature** | 37℃ |
| **Comment** | pGADT7-T is a yeast two-hybrid plasmid vector used as a positive control. It encodes a fusion protein of the GAL4 activation domain (AD) and SV40 large T-antigen. Expression is driven by the constitutive ADH1 promoter. The vector contains an ampicillin resistance gene (AmpR) for selection in E. coliand the LEU2 marker for selection in yeast. It autonomously replicates in both organisms using the pUC and 2μ origins, respectively. |

## 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 ℃.