# pDEST22

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|---|---|
| **Vector ID** | V000033 |
| **Antibiotic Resistance** | Ampicillin |
| **Length** | 8930 bp |
| **Vector Type** | Yeast Two-Hybrid System Vectors |
| **Host** | Yeast |

## Product Information

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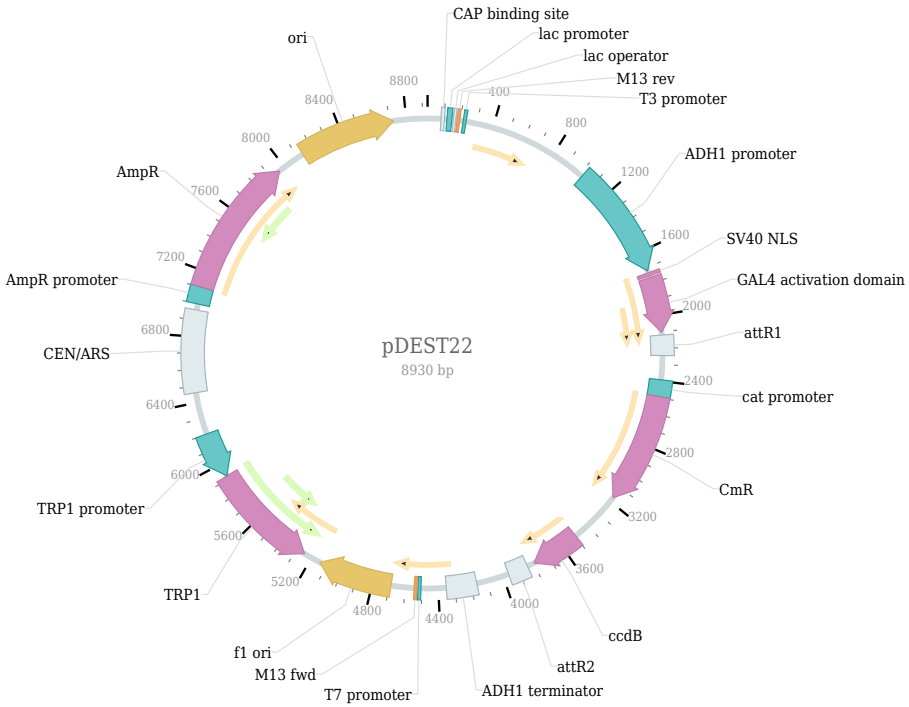
|---|---|
| **Replication Origin** | ori |
| **Promoter** | ADH1(long) |
| **Growth Temperature** | 37℃ |
| **Comment** | pDEST22 is a Gateway destination vector of the ProQuest two-hybrid system, used to build GAL4 activation-domain prey fusions. The ADH1 promoter drives a GAL4 AD (residues 768–881) fused to the SV40 large T antigen nuclear localization signal. attR1/attR2 sites flanking ccdB and the chloramphenicol marker allow directional LR cloning. Carries ARS4/CEN6 and TRP1 for low-copy yeast selection, plus a pUC origin and ampicillin resistance in E. coli. |

## 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 ℃.