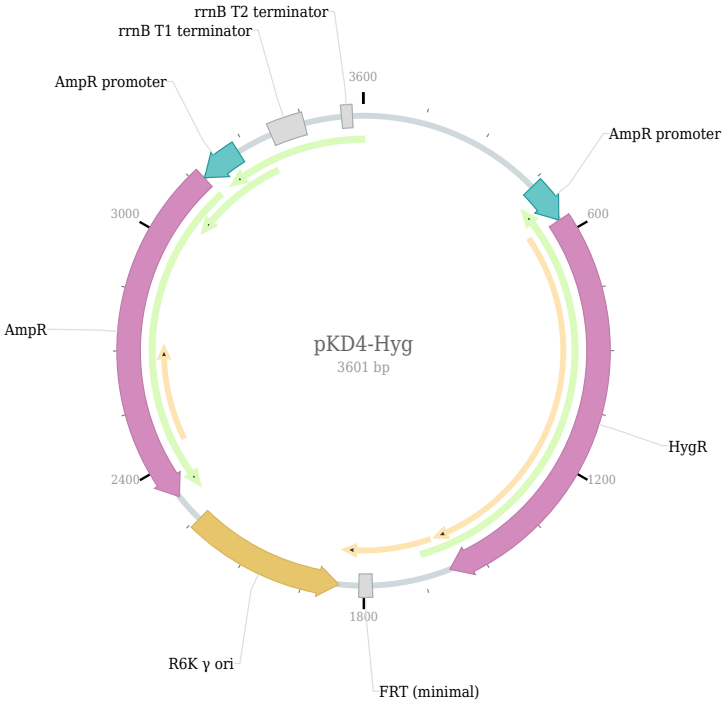
# pKD4-Hyg

| | |
|---|---|
| **Vector ID** | V017648 |
| **Antibiotic Resistance** | Ampicillin |
| **Length** | 3601 bp |
| **Vector Type** | Gene-editing vector |
| **Host** | E. coli |

## Product Information

| | |
|---|---|
| **Replication Origin** | R6K γ ori |
| **Copy Number** | Low |
| **5' Primer** | G36328-F1 |
| **Growth Strain(s)** | DH5α λpir |
| **Growth Temperature** | 37℃ |
| **Comment** | pKD4-Hyg is a vendor-derived λRed recombineering template in which the FRT-flanked kanamycin cassette of the archetypal pKD4 (Datsenko & Wanner 2000) has been replaced by hygromycin B phosphotransferase (hph) gene, retaining the R6K γ origin, AmpR backbone and both flanking FRT sites. It carries no GenBank accession and no primary publication. |

## 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 ℃.