# pKL2299

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| **Vector ID** | V017635 |
| **Antibiotic Resistance** | Gentamicin |
| **Length** | 29605 bp |
| **Vector Type** | Protein expression |
| **Host** | Bacteria |

## Product Information

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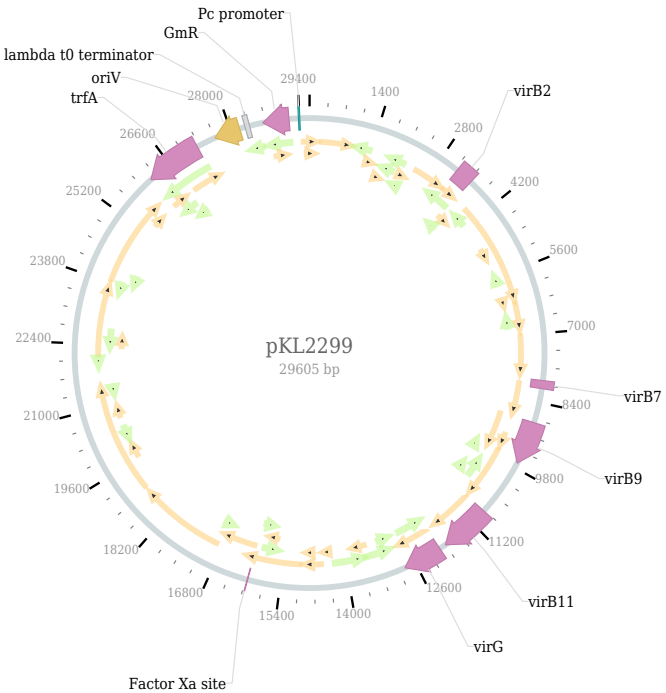
|---|---|
| **Replication Origin** | oriV |
| **Growth Strain(s)** | DH10B |
| **Growth Temperature** | 37℃ |
| **Comment** | pKL2299 is a ternary Agrobacterium vir-helper plasmid carrying extra pTiBo542 virulence genes (RK2 ori). Paired with a pVS1-origin binary vector, it boosts T-DNA delivery and maize transformation/genome-editing efficiency. |

## 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 ℃.