# pFA6a-kanMX6-PGAL1-GFP

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|---|---|
| **Vector ID** | V010295 |
| **Antibiotic Resistance** | Ampicillin |
| **Length** | 5404 bp |
| **Vector Type** | Yeast Plasmids |

## Product Information

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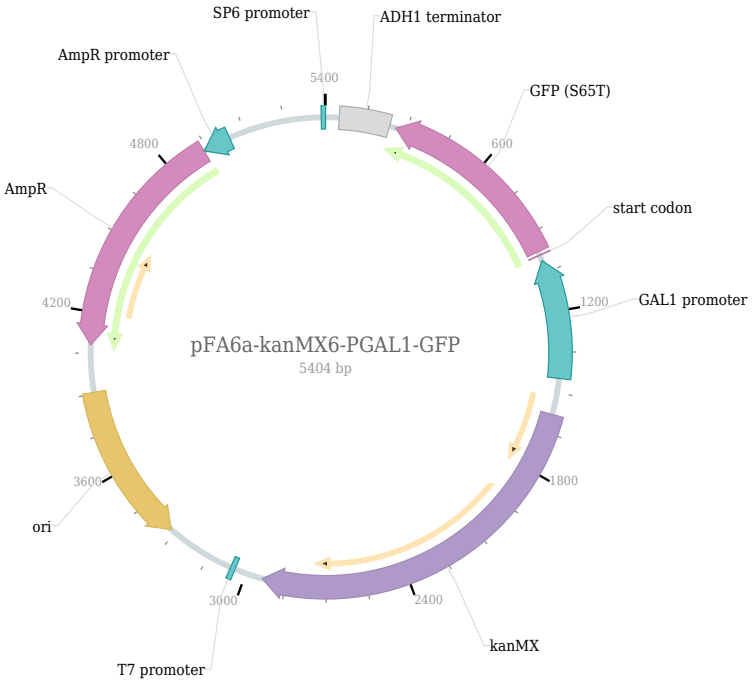
| **Replication Origin** | ori |
| **Source/Author** | Longtine MS, McKenzie A, Demarini DJ, Shah NG, Wach A, Brachat A, |
| **Copy Number** | High copy number |
| **Promoter** | GAL1 |
| **Growth Strain(s)** | DH10B |
| **Comment** | pFA6a-kanMX6-PGAL1-GFP is a tool plasmid for yeast gene editing. Within this construct, the GAL1 inducible promoter regulates GFP gene expression, whilst kanMX6 provides G418 resistance for screening purposes. This enables both fluorescent labelling and expression regulation of yeast genes. |

## 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 ℃.