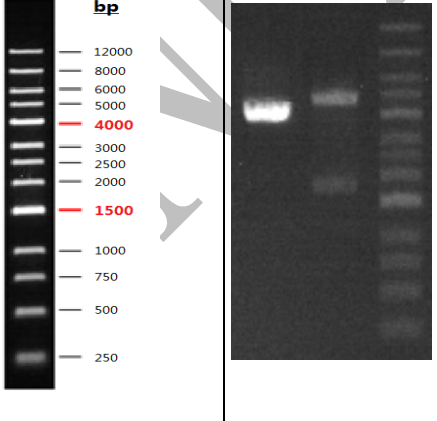
# CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| **Vector Name** | pKD46-Kan | **Catalog No.** | V014946 |
| **Project/Lot No.** | G0444240-1/D83318 | **Strain** | DH10B |
| **Quantity** | 100 μg | **Resistance** | Kanamycin |

## QC Results

| Test Items | Specifications | Results |
|---|---|---|
| **Appearance** | Clear, no visible particles | Pass |
| **Concentration** | On request, default | Pass |
| **A260/280** | 1.8 - 2.0 | Pass |
| **A260/230** | >2.0 | Pass |
| **Supercoiled content** | No request | N/A |
| **Residual RNA** | Not visible upon electrophoresis | Pass |
| **Genomic DNA** | Not visible upon electrophoresis | Pass |
| **Restriction Analysis** | Conforms to reference | Pass |
| **Bioburden assay** | No growth on agar plate after 24 hours | N/A |
| **Endotoxin Test** | Verified, (Endo-Free Preps Only) | N/A |
| **Label** | Correct and white | Pass |
| **Sequencing** | Correct | Pass |
| **Comments** | - | - |

## Restriction Digestion Map




**Lane 1**: Plasmid DNA

**Lane 2**: Plasmid digested by BamHI-SmaI (1702/4659 bp in theory)

**Lane M**: DNA Marker

**Certified by: Chou Fang**
**Date: Nov/16/2026**
**Valid until: Nov/16/2029**

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