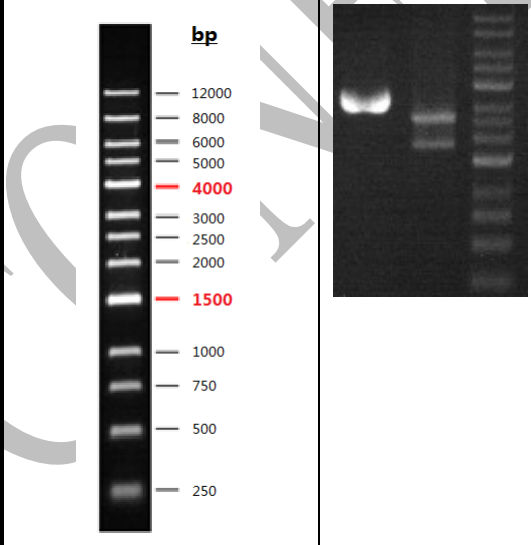


| CERTIFICATE OF ANALYSIS | | | |
|--|--|-------------|------------|
| Vector Name | pKK223-3 | Catalog No. | V012531 |
| Project/Lot No. | G0332631-2/ D88513 | Strain | DH10B |
| Quantity | 100ug | Resistance | Ampicillin |
| QC Results | | | |
| Test Items | Specifications | Results | |
| Appearance | 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 | | | |
| | 1 | 2 | M |
|  <p>bp</p> <p>12000 8000 6000 5000 4000 3000 2500 2000 1500 1000 750 500 250</p> | <p>Lane 1: Plasmid DNA</p> <p>Lane 2: Plasmid digested by EcoRI-PvuII (2,639 bp+1,945 bp in theory)</p> <p>Lane M: DNA Marker</p> | | |

Certified by:
Chou Fang

Date: Aug/31/2024
Valid until: Aug/31/2026