# Certificate of Analysis

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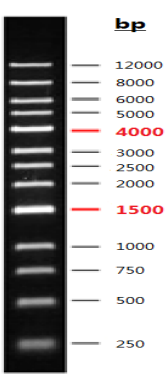
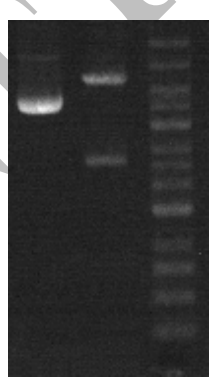
|---|---|---|---|
| **Vector Name** | pUMVC | **Catalog No.** | V012770 |
| **Project/Lot No.** | G0335421-1/D90566 | **Strain** | DH10B |
| **Quantity** | 100ug | **Resistance** | Kanamycin |

## QC Results

| Test Items | Specifications | Results |
|---|---|---|
| **Appearance** | Clear, no visible particles | Pass |
| **Concentration** | The error range is within 5% | 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

| Marker | 1 | 2 | M | Description of Map |
|---|---|---|---|---|
|  |  | | | **Lane1**: Plasmid DNA<br><br>**Lane2**: Plasmid digested by XhoI (6,650 bp + 2,637 bp in theory)<br><br>**Lane M**: DNA Marker |



**Certified by: Chou Fang**

**Date: Sep/27/2024**

**Valid until: Sep/27/2027**

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