# Certificate of Analysis

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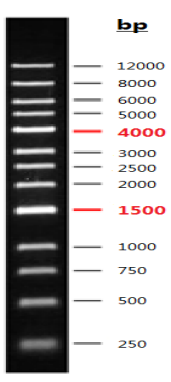
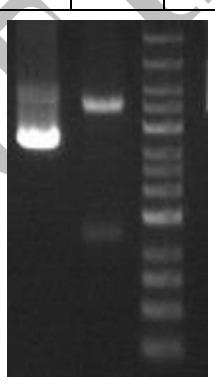
|---|---|---|---|
| **Vector Name** | PPRE X3-TK-luc | **Catalog No.** | V012167 |
| **Project/Lot No.** | G0326889-1 /D85378 | **Strain** | DH10B |
| **Quantity** | 100ug | **Resistance** | Ampicillin |

## 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 |
|---|---|---|---|---|
|  |  | | | **Lane 1**: Plasmid DNA<br><br>**Lane 2**: Plasmid digested by EcoRV-XhoI (5394 bp + 1369 bp in theory)<br><br>**Lane M**: DNA Marker |



**Certified by: Chou Fang**

**Date: July/17/2024**

**Valid until: July/17/2027**

CONFIDENTIAL