# Certificate of Analysis

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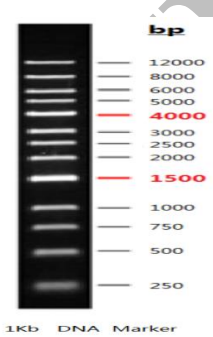
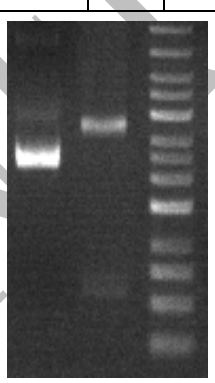
|---|---|---|---|
| **Vector Name** | pNV18 | **Catalog No.** | V004250 |
| **Project/Lot No.** | G0332033-1/Y44907 | **Strain** | Top10 |
| **Quantity** | 100ug | **Resistance** | Kanamycin |

## QC Results

| Test Items | Specifications | Results |
|---|---|---|
| **Insert Sequence** | Insert sequence results consistent with target | Pass |
| **Vector Sequence** | Flanking sequence consistent with expected | Pass |
| **ORF Across Junction** | Correct and consistent with target | N/A |
| **Restriction Digest** | Expected fragment sizes observed | Pass |
| **PCR Amplification** | Correct without non - specific bands | Pass |
| **DNA Quantity/Quality** | Concentration (n/a if lyophilized) | N/A |
| | Purity (A 260/A280 = 1.8 - 2.0) | Pass |
| | Matrix | TE (lyophilized) |
| **Endotoxin Test** | Verified, <0.1 EU/μg (Endo-Free Preps Only) | N/A |
| **Appearance** | Clear, no visible particles | Pass |
| **Label** | Correct and white | Pass |
| **Comments** | - | - |

## Restriction Digestion Map

| Marker | 1 | 2 | M | Description of Map |
|---|---|---|---|---|
|  |  | | | **Lane 1**: Plasmid DNA<br><br>**Lane 2**: Plasmid Digested with XhoI-EcoRI (3,719 bp + 692 bp in theory)<br><br>**Lane M**: DNA Marker |



**Certified by: Chou Fang**

**Date: Sep/06/2024**

**Valid until: Sep/06/2027**

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