
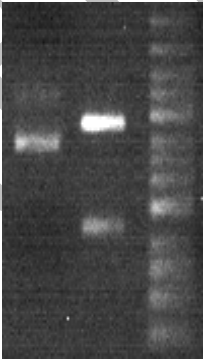


| <b>CERTIFICATE OF ANALYSIS</b>  |   |                    |   |                    |
|---|---|--------------------|---|--------------------|
| <b>Gene Name</b>  | pRS314  | <b>Catalog No.</b> | V010230   |                    |
| <b>Project/Lot No.</b>  | G0337412-2/B36648   | <b>Strain</b>      | Top10   |                    |
| <b>Quantity</b>   | 100ug   | <b>Resistance</b>  | Ampicillin  |                    |
| <b>QC Results</b>   |   |                    |   |                    |
| Test Items  | Specifications  | Results            |   |                    |
| <b>Insert Sequence</b>  | Insert sequence results consistent with target                                      | Pass               |   |                    |
| <b>Vector Sequence</b>  | Flanking sequence consistent with expected  | Pass               |   |                    |
| <b>ORF Across Junction</b>  | Correct and consistent with target  | N/A                |   |                    |
| <b>Restriction Digest</b>   | Expected fragment sizes observed  | Pass               |   |                    |
| <b>PCR Amplification</b>  | Correct without non - specific bands  | Pass               |   |                    |
| <b>DNA Quantity/Quality</b>   | Concentration (n/a if lyophilized)  | N/A                |   |                    |
|   | Purity (A 260/A280 = 1.8 - 2.0)   | Pass               |   |                    |
|   | Matrix  | TE (lyophilized)   |   |                    |
| <b>Endotoxin Test</b>   | Verified, <0.1 EU/μg (Endo-Free Preps Only)   | N/A                |   |                    |
| <b>Appearance</b>   | Clear, no visible particles   | Pass               |   |                    |
| <b>Label</b>  | Correct and white   | Pass               |   |                    |
| <b>Comments</b>   | -   | -                  |   |                    |
| <b>Restriction Digestion Map</b>  |   |                    |   |                    |
| Marker  | 1   | 2                  | M   | Description of Map |
|  <p>1Kb DNA Marker</p> |  |                    | <p><b>Lane 1:</b> Plasmid</p> <p><b>Lane 2:</b> Plasmid Digested with EcoRV (1199/3583 bp in theory)</p> <p><b>Lane M:</b> DNA Marker</p> |                    |

**Certified by: Chou Fang**  
**Date: Oct-25-2024**  
**Valid until: Oct-25-2026**

