


| CERTIFICATE OF ANALYSIS | | | |
|---|--|------------------|---------|
| Vector Name | pLac-GFP | Catalog No. | V005086 |
| Project/Lot No. | G0287776-1/B18818 | Strain | Top 10 |
| Quantity | 10 ug | Resistance | Amp |
| 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 | Actual yield (by A 260) | 5ug/5ug | |
| | Concentration (n/a if lyophilized) | N/A | |
| | Purity (A 260/A280 = 1.8 - 2.0) | Pass | |
| | # of Tubes | 2 | |
| | 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 | | | |
| | 1 | 2 | M |
|  <p>bp</p> <p>12000 8000 6000 5000 4000 3000 2500 2000 1500 1000 750 500 250</p> <p>1Kb DNA Marker</p> | <p>Lane 1: Plasmid</p> <p>Lane 2: Plasmid Digested with PvuII</p> <p>Lane M: DNA Marker</p> | | |

Certified by: Chou Fang

Date: Sep/18/2023

Valid until: Sep/18/2026

周
昉