


CERTIFICATE OF ANALYSIS

| | | | |
|------------------------|-------------------|--------------------|---------|
| Vector Name | pgR107 | Catalog No. | V005900 |
| Project/Lot No. | G0274735-1/X65069 | Strain | Top10 |
| Quantity | 10 ug | Resistance | Kan |

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 XhoI-EcoRV</p> <p>Lane M: DNA Marker</p> | | |

Certified by: Chou Fang

Date: Jul/04/2023
Valid until: Jul/03/2025