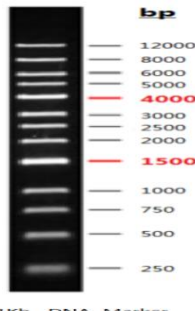
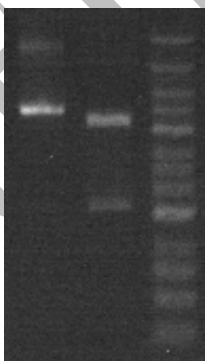


| Certificate of Analysis   |   |                   |           |   |
|---|---|-------------------|-----------|---|
| Gene Name   | pET28a-mCherry  | Order No.         | V012844   |   |
| Lot No.   | 20250429/54-7-MF55726   | Strain            | Top10     |   |
| Quantity  | 100 ug  | Vector Resistance | 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  |
|  |  |                   |           | <p><b>Lane 1:</b> Plasmid</p> <p><b>Lane 2:</b> Plasmid Digested with MluI-XhoI (1648/4400 bp in theory)</p> <p><b>Lane M:</b> DNA Marker</p> |

Certified by: Chou Fang  
Date: 4-30-2025

