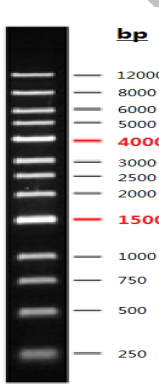
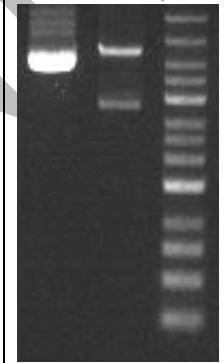


| Certificate of Analysis   |   |             |            |  |
|---|---|-------------|------------|--|
| Vector Name   | pGEN-luxCDABE   | Catalog No. | V000912    |  |
| Project/Lot No.   | G0323098-1/D83132   | Strain      | DH10B      |  |
| Quantity  | 100ug   | Resistance  | Ampicillin |  |
| QC Results  |   |             |            |  |
| Test Items  | Specifications  | Results     |            |  |
| Appearance  | Clear, no visible particles   | Pass        |            |  |
| Concentration   | The error range is within 5%  | Pass        |            |  |
| A260/280  | 1.8 - 2.0   | Pass        |            |  |
| A260/230  | >2.0  | Pass        |            |  |
| Supercoiled content   | No request  | N/A         |            |  |
| Residual RNA  | Not visible upon electrophoresis  | Pass        |            |  |
| Genomic DNA   | Not visible upon electrophoresis  | Pass        |            |  |
| Restriction Analysis  | Conforms to reference   | Pass        |            |  |
| Bioburden assay   | No growth on agar plate after 24 hours  | N/A         |            |  |
| Endotoxin Test  | Verified, (Endo-Free Preps Only)  | N/A         |            |  |
| Label   | Correct and white   | Pass        |            |  |
| Sequencing  | Correct   | Pass        |            |  |
| Comments  | -   | -           |            |  |
| Restriction Digestion Map   |   |             |            |  |
| Marker  | 1   | 2           | M          | Description of Map   |
|  |  |             |            | <p><b>Lane 1:</b> Plasmid DNA</p> <p><b>Lane 2:</b> Plasmid digested by MluI-ScaI (7243 bp + 3866 bp in theory)</p> <p><b>Lane M:</b> DNA Marker</p> |

Certified by: Chou Fang



Date: Jun/17/2024

Valid until: Jun/17/2026