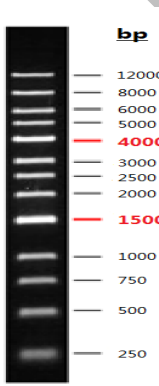
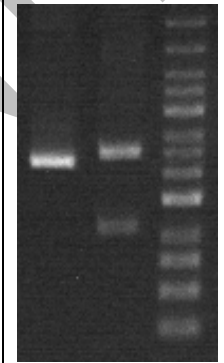


| Certificate of Analysis   |   |             |  |                    |
|---|---|-------------|--|--------------------|
| Vector Name   | pNZ5319   | Catalog No. | V004242  |                    |
| Project/Lot No.   | G0329058-1/D86585   | Strain      | DH5alpha   |                    |
| Quantity  | 100ug   | Resistance  | Erythromycin   |                    |
| 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 XbaI-XhoI (2653 bp + 1161 bp in theory)</p> <p><b>Lane M:</b> DNA Marker</p> |                    |

Certified by: Chou Fang



Date: Aug/07/2024

Valid until: Aug/07/2026