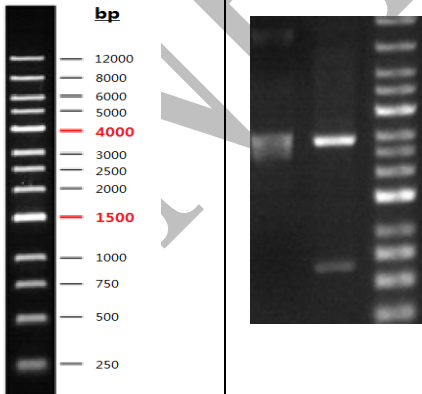


| CERTIFICATE OF ANALYSIS  |  |             |               |
|--|--|-------------|---------------|
| Vector Name  | pCDF-1b  | Catalog No. | V011041       |
| Project/Lot No.  | G0345148-1/TF94725   | Strain      | Top10         |
| Quantity   | 100ug  | Resistance  | Spectinomycin |
| QC Results   |  |             |               |
| Test Items   | Specifications   | Results     |               |
| Appearance   | Clear, no visible particles  | Pass        |               |
| Concentration  | On request, default  | 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  |  |             |               |
|  | <b>1</b>   | <b>2</b>    | <b>M</b>      |
|  <p><b>bp</b></p> <p>12000<br/>8000<br/>6000<br/>5000<br/>4000<br/>3000<br/>2500<br/>2000<br/>1500<br/>1000<br/>750<br/>500<br/>250</p> | <p><b>Lane 1:</b> Plasmid DNA</p> <p><b>Lane 2:</b> Plasmid digested by MluI-XhoI (689/2932 bp in theory)</p> <p><b>Lane M:</b> DNA Marker</p> |             |               |

**Certified by: Chou Fang**  
**Date: Dec/10/2024**  
**Valid until: Dec/10/2026**

