

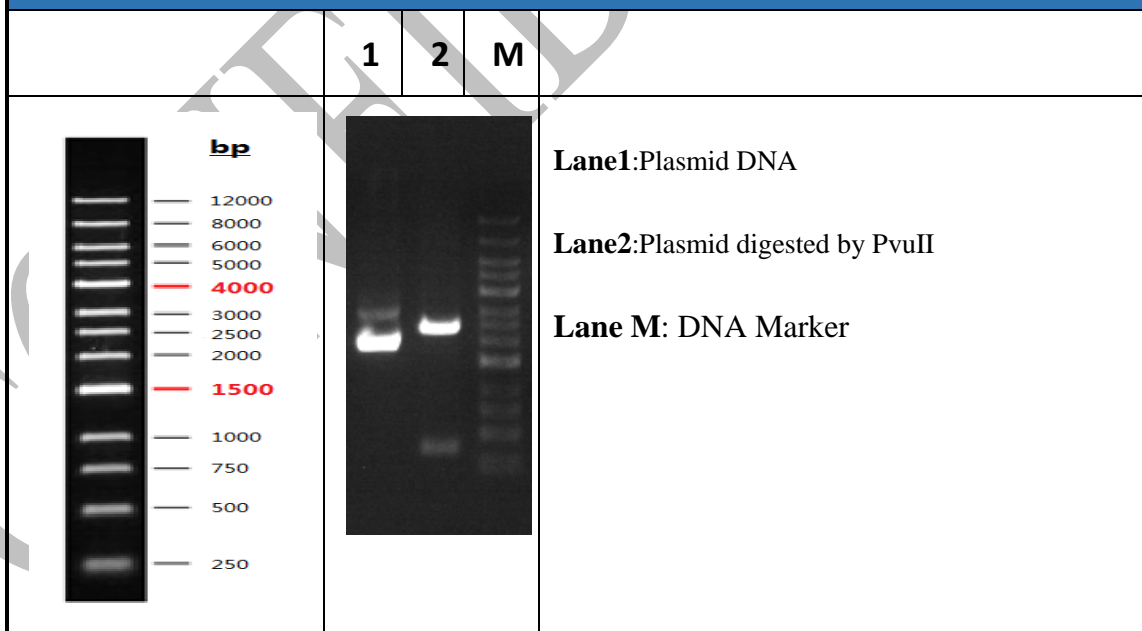
CERTIFICATE OF ANALYSIS

| | | | |
|------------------|----------------|----------------------|--------------------|
| Gene Name | pNEB193 vector | Catalog No. | V012442 |
| Lot No. | D29934 | Strain | JM108 |
| Quantity | 100ug | Quality grade | Transfection Grade |

QC Results

| Test Items | Specifications | Results |
|-----------------------------|--|---------|
| Appearance | Clear, no visible particles | Pass |
| Concentration | On request, default 1ug/uL | Pass |
| A260/280 | 1.8 - 2.0 | Pass |
| A260/230 | >2.0 | Pass |
| Supercoiled content | Predominantly supercoiled | Pass |
| 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, <100EU/mg (Endo-Free Preps Only) | Pass |
| Label | Correct and white | Pass |
| Sequencing | Correct | Pass |
| Comments | - | - |

Restriction Digestion Map



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Certified by: Chou Fang

Date: Oct/07/2022