

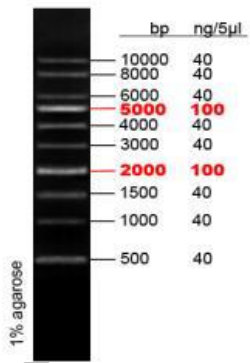
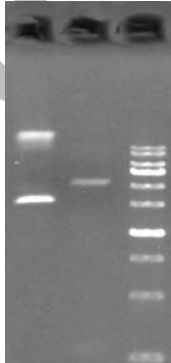
CERTIFICATE OF ANALYSIS

| | | | |
|--------------------|-----------------|--------------------------|--------|
| Vector Name | pBBR1MCS-4 | Vector Resistance | Amp |
| Lot No. | 80-1277233634-3 | Vector Size | 4950bp |
| Quantity | 100ug | Competent Cell | DH5a |

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 | Actual yield (by A 260) | 5ug/5ug |
| | Concentration (n/a if lyophilized) | N/A |
| | Purity (A 260/A280 = 1.8 - 2.0) | Pass |
| | # of Tubes | 20 |
| | 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

| | 1 | 2 | M | |
|--|---|---|---|--|
| <p>1kb ladder</p>  <p style="font-size: small;">1% agarose</p> |  | | | <p>Lane 1: Plasmid</p> <p>Lane 2: Plasmid Digested with ApaI and AgeI</p> <p>Lane M: DNA Marker</p> |

Certified by: Chou Fang

Date: Aug/15/2023
Valid until: Aug/15/2025