

Certificate of Analysis

Project ID: U2525HC070-1
Lot No: U2525HC070-1/PL08674
Plasmid Name: pUC57 plasmid DNA
Quantity: 1 mg(50 µg each,20 vials) **Concentration:** N/A
Final Buffer: Lyophilized
Competent cell: JM108 **Growth Temperature:** 37 °C

| QC Items | Specifications | Results | |
|----------------------------|--|---------|--|
| Sequence Accuracy | Sanger sequencing verification to the inserted gene. | N/A | N/A |
| Appearance | Colorless, clear, free of precipitate or foreign particles | Pass | Colorless, clear, free of precipitate or foreign particles |
| Identity | Co-migrates with reference DNA and/or size confirmed versus marker | Pass | Confirmed |
| Restriction Digests | Expected size bands detected in agarose gel electrophoresis. | Pass | Matched |
| | | | Shown in attachment 1 |
| OD260/OD280 | 1.8-2.0 | Pass | 1.94 |
| Residual RNA | Not visible on agarose gel | Pass | Invisible |
| Genomic DNA | Not visible on agarose gel | Pass | Invisible |
| Endotoxin | <input type="checkbox"/> N/A | N/A | N/A |
| | <input checked="" type="checkbox"/> No QC testing requested | | |
| Bio-Burden Assay | <input type="checkbox"/> Bio-Burden Assay | N/A | N/A |
| | <input checked="" type="checkbox"/> No QC testing requested | | |
| Additional Test | N/A | N/A | |

NOTE

| Plasmid Storing at | Bacstab Storing at | Glycerol Stock Storing at |
|--------------------|--------------------|---------------------------|
| -20°C | 4°C | -20°C/-80°C |

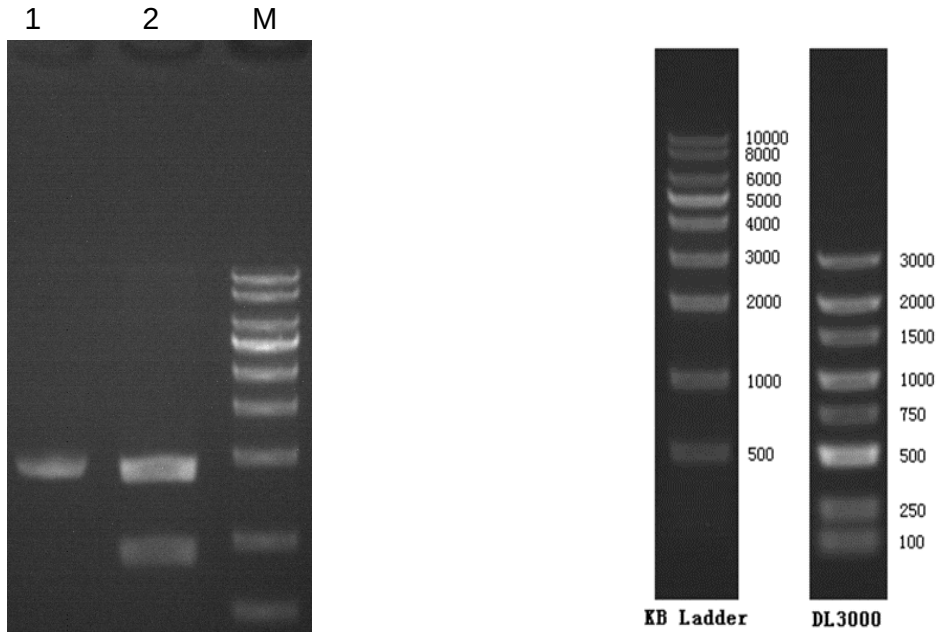
Certified by: *Ru Wang* **Date:** 03/12/2022

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860 Centennial Ave., Piscataway, NJ 08854, USA

Enzyme Digestion



Lane M: KB Ladder
 Lane 1: U2525HC070-1 plasmid
 Lane 2: U2525HC070-1 plasmid digested
 by EcoRI and Scal

Restriction digest of plasmid DNA:
 About 100-200 ng of plasmid was digested
 at 37°C for 30-60 minutes and analyzed on
 1% Agarose Gel