

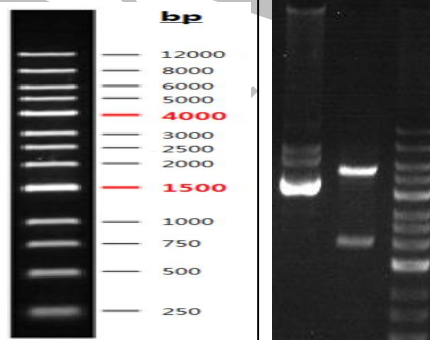
CERTIFICATE OF ANALYSIS

| | | | |
|---------------|--------------------------------|-------------------|----------------|
| Gene Name | Original | Order No. | G0169151-1 |
| Lot No. | K67733 | Cloning Vector | pcDNA5-FRT-CMV |
| Cloning Sites | HindIII(AAGCTT)-NotI(GCGGCCGC) | Insert Size | 2889bp |
| Competence | DH10b | Vector Resistance | Amp |

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) | 5µg/5µg |
| | Concentration (n/a if lyophilized) | N/A |
| | Purity (A 260/A280 = 1.8 - 2.0) | Pass |
| | # of Tubes | 2 |
| | 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 DNA Marker</p> | | | <p>Lane 1: Plasmid</p> <p>Lane 2: Plasmid Digested with ApaI</p> <p>Lane M: DNA Marker</p> |

Certified by: Chou Fang


Date: Feb/08/2021