



## CERTIFICATE OF ANALYSIS

|               |                              |                   |             |
|---------------|------------------------------|-------------------|-------------|
| Gene Name     | Pc15-36300-MA-MG5<br>85689.1 | Order No.         | G0247205-1  |
| Lot No.       | MF96222                      | Cloning Vector    | pGEM-T easy |
| Cloning Sites | ECORV                        | Insert Size       | 93bp        |
| Competence    | Top10                        | 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           | N/A              |
| DNA Quantity/Quality | Actual yield (by A 260 )                       | 10ug             |
|                      | Concentration (n/a if lyophilized)             | N/A              |
|                      | Purity (A 260/A280 =1.8 - 2.0)                 | Pass             |
|                      | # of Tubes                                     | 1                |
|                      | 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>bp</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>1Kb DNA Marker</p> | Lane 1: Plasmid | Lane 2: Plasmid Digested with PvuII | Lane M: DNA Marker |

Certified by: zmh

Date:09/15/2022