



CERTIFICATE OF ANALYSIS

| | | | |
|---------------|------------------------------|-------------------|-------------|
| Gene Name | Pc15-22800-FG-MT04 4485.1 | Order No. | G0251766-1 |
| Lot No. | MF70077 | Cloning Vector | pGEM-T easy |
| Cloning Sites | EcoRV | Insert Size | 159bp |
| 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 8000 6000 5000 4000 3000 2500 2000 1500 1000 750 500 250</p> <p>1Kb DNA Marker</p> | | | <p>Lane 1: Plasmid</p> <p>Lane 2: Plasmid Digested with PvuII</p> <p>Lane M: DNA Marker</p> |

Certified by: In

Date: 10/27/2022