

Certificate of Analysis

Project Tracking #
40-660778309

Quote #
40-660778309_R1

GENEWIZ Clone ID #
FB4920-1/V1199203

Sequence Name
WT-IVMT1-Mut in pUC-GW-Kan

Cloning Vector
pUC-GW-Kan

Cloning Sites
NA

Insert Length
1824

| QC Item | Specification | Results |
|------------------------------------|---|------------------|
| Insert Sequence | Insert sequence results consistent with target | √ Pass |
| Vector Sequence | Flanking sequence consistent with expected | √ Pass |
| Open Reading Frame 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 and Quality | Actual yield (by A ₂₆₀) | 2 ug |
| | Concentration (n/a if lyophilized) | n/a |
| | Purity (A ₂₆₀ /A ₂₈₀ = 1.8 - 2.0) | √ Pass |
| | # of tubes | 1 |
| | Matrix | TE (lyophilized) |
| Endotoxin Test | Verified, <0.1 EU/ug(endo-free preps only) | n/a |
| Appearance | Clear, no visible particles | √ Pass |
| Label | Correct and clear | √ Pass |
| Comments | | |

Restriction Digest Test Results

Lane Description
Lane 1: undigested
Lane 2: digested with PvuI
Lane 3: ladder

1kb ladder

| bp | ng/5μl |
|-------|--------|
| 10000 | 40 |
| 8000 | 40 |
| 6000 | 40 |
| 5000 | 100 |
| 4000 | 40 |
| 3000 | 40 |
| 2000 | 100 |
| 1500 | 40 |
| 1000 | 40 |
| 500 | 40 |

1% agarose

Certified By

Tianxin Ye

Date

02/28/2022