

GWCN-III-03-DR01-R2

Certificate of Analysis

Project Tracking #
 40-525651339

Quote #
 40-525651339_R2

GENEWIZ Clone ID #
 HB9619-6/Q516445

Sequence Name
 Tb927.11.6600-MU10 in pUC-GW-Kan

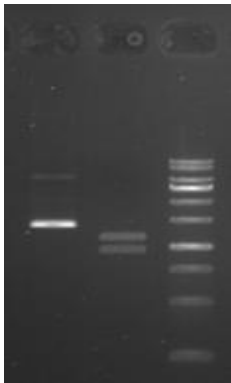
Cloning Vector
 pUC-GW-Kan

Cloning Sites
 NA

Insert Length
 1605


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)	4 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

An agarose gel electrophoresis image with three lanes. Lane 1 shows a single, bright band at approximately 5000 bp. Lane 2 shows a complex pattern of multiple bands of varying intensities, indicating a DNA digest. Lane 3 shows a 1kb DNA ladder with distinct bands at 1000, 2000, 3000, 4000, 5000, 6000, 8000, and 10000 bp.

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

1kb ladder

A 1kb DNA ladder used for size comparison in gel electrophoresis. It consists of a series of DNA fragments of known sizes, each with a corresponding mass.

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

1% agarose

Certified By

Yanlin Zhu

Date

06/26/2021