

GWCN-III-03-DR01-R2

Certificate of Analysis

Project Tracking #
 40-525651339

Quote #
 40-525651339_R2

GENEWIZ Clone ID #
 HB9619-5/Q515266

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

Cloning Vector
 pUC-GW-Kan

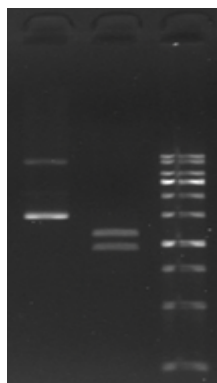
Cloning Sites
 NA

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

Restriction Digest Test Results

An agarose gel electrophoresis image with three lanes. Lane 1 shows a single horizontal band at approximately 5000 bp. Lane 2 shows a series of horizontal bands of varying intensity, representing a restriction digest. Lane 3 shows a 1kb DNA ladder with multiple distinct bands at regular intervals.

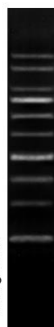
Lane Description

Lane 1: undigested

Lane 2: digested with PvuII

Lane 3: ladder

1kb ladder

A 1kb DNA ladder used for size comparison. It consists of a vertical gel strip with horizontal bands. To the right of the bands are two columns of text: 'bp' and 'ng/5ul'. The 'bp' column lists sizes from 10000 down to 500. The 'ng/5ul' column lists corresponding concentrations, mostly 40, with 100 for the 5000 and 2000 bp bands. The 2000 bp band is also highlighted in red on the gel strip.

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