

GWCN-III-03-DR01-R2

### Certificate of Analysis

**Project Tracking #**  
 40-525651339

**Quote #**  
 40-525651339\_R2

**GENEWIZ Clone ID #**  
 HB9619-3/Q514768

**Sequence Name**  
 Tb927.2.4020-MUO9 in pUC-GW-Kan

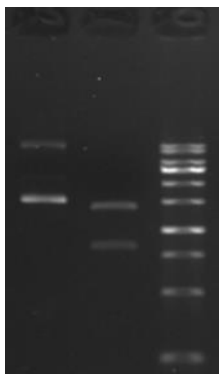
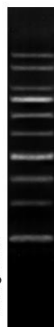
**Cloning Vector**  
 pUC-GW-Kan

**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 <sub>260</sub> )	2 ug
	Concentration (n/a if lyophilized)	n/a
	Purity (A <sub>260</sub> /A <sub>280</sub> = 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

	<p>Lane Description</p> <p>Lane 1: undigested</p> <p>Lane 2: digested with AflIII and NotI</p> <p>Lane 3: ladder</p>	<p>1kb ladder</p>  <table><tr><th>bp</th><th>ng/5ul</th></tr><tr><td>10000</td><td>40</td></tr><tr><td>8000</td><td>40</td></tr><tr><td>6000</td><td>40</td></tr><tr><td>5000</td><td>100</td></tr><tr><td>4000</td><td>40</td></tr><tr><td>3000</td><td>40</td></tr><tr><td>2000</td><td>100</td></tr><tr><td>1500</td><td>40</td></tr><tr><td>1000</td><td>40</td></tr><tr><td>500</td><td>40</td></tr></table> <p>1% agarose</p>	bp	ng/5ul	10000	40	8000	40	6000	40	5000	100	4000	40	3000	40	2000	100	1500	40	1000	40	500	40
bp	ng/5ul																							
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**Certified By**

Yanlin Zhu

**Date**

06/24/2021