


<b>CERTIFICATE OF ANALYSIS</b>			
<b>Gene Name</b>	pGWB654 (Cat.#V005706)	<b>Order No.</b>	G0209326-2
<b>Lot No.</b>	V30142	<b>Vector Resistance</b>	Spectinomycin
<b>QC Results</b>			
<b>Test Items</b>	<b>Specifications</b>	<b>Results</b>	
<b>Insert Sequence</b>	Insert sequence results consistent with target	Pass	
<b>Vector Sequence</b>	Flanking sequence consistent with expected	Pass	
<b>ORF Across Junction</b>	Correct and consistent with target	N/A	
<b>Restriction Digest</b>	Expected fragment sizes observed	Pass	
<b>PCR Amplification</b>	Correct without non - specific bands	Pass	
<b>DNA Quantity/Quality</b>	Actual yield (by A 260 )	5µg/5µg	
	Concentration (n/a if lyophilized)	N/A	
	Purity (A 260/A280 = 1.8 - 2.0)	Pass	
	# of Tubes	2	
	Matrix	TE (lyophilized)	
<b>Endotoxin Test</b>	Verified, <0.1 EU/µg (Endo-Free Preps Only)	N/A	
<b>Appearance</b>	Clear, no visible particles	Pass	
<b>Label</b>	Correct and white	Pass	
<b>Comments</b>	-	-	
<b>Restriction Digestion Map</b>			
	<b>1</b>	<b>2</b>	<b>M</b>
 <p><b>bp</b></p> <p>12000 8000 6000 5000 4000 3000 2500 2000 1500 1000 750 500 250</p> <p>1Kb DNA Marker</p>	<p><b>Lane 1:</b> Plasmid</p> <p><b>Lane 2:</b> Plasmid Digested with XhoI-SacI</p> <p><b>Lane M:</b> DNA Marker</p>		

**Certified by: Chou Fang**

**Date: Feb/28/2022**