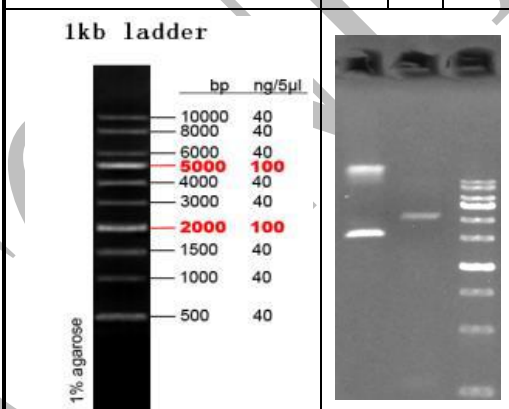


CERTIFICATE OF ANALYSIS			
Vector Name	pBBR1MCS-4	Vector Resistance	Amp
Lot No.	80-1277233634-3	Vector Size	4950bp
Quantity	100ug	Competent Cell	DH5a
QC Results			
Test Items	Specifications	Results	
Insert Sequence	Insert sequence results consistent with target	Pass	
Vector Sequence	Flanking sequence consistent with expected	Pass	
ORF Across Junction	Correct and consistent with target	N/A	
Restriction Digest	Expected fragment sizes observed	Pass	
PCR Amplification	Correct without non - specific bands	Pass	
DNA Quantity/Quality	Actual yield (by A 260)	5ug/5ug	
	Concentration (n/a if lyophilized)	N/A	
	Purity (A 260/A280 = 1.8 - 2.0)	Pass	
	# of Tubes	20	
	Matrix	TE (lyophilized)	
Endotoxin Test	Verified, <0.1 EU/μg (Endo-Free Preps Only)	N/A	
Appearance	Clear, no visible particles	Pass	
Label	Correct and white	Pass	
Comments	-	-	
Restriction Digestion Map			
	1	2	M
 <p>1kb ladder</p> <p>bp ng/5μl</p> <p>10000 40</p> <p>8000 40</p> <p>6000 40</p> <p>5000 100</p> <p>4000 40</p> <p>3000 40</p> <p>2000 100</p> <p>1500 40</p> <p>1000 40</p> <p>500 40</p> <p>1% agarose</p>	<p>Lane 1: Plasmid</p> <p>Lane 2: Plasmid Digested with ApaI and AgeI</p> <p>Lane M: DNA Marker</p>		

Certified by: Chou Fang

Date: Aug/15/2023

Valid until: Aug/15/2026

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