



## CERTIFICATE OF ANALYSIS

<b>Gene Name</b>	Pc15-12240-XY-CP046 995.1	<b>Order No.</b>	G0246458-1
<b>Lot No.</b>	MF80272	<b>Cloning Vector</b>	pGEM-T easy
<b>Cloning Sites</b>	无缝克隆-无缝克隆	<b>Insert Size</b>	308bp
<b>Competence</b>	Top10	<b>Vector Resistance</b>	Amp

## QC Results

Test Items	Specifications	Results
<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	N/A
<b>DNA Quantity/Quality</b>	Actual yield (by A 260 )	10µg
	Concentration (n/a if lyophilized)	N/A
	Purity (A 260/A280 =1.8 - 2.0)	Pass
	# of Tubes	1
	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>	-	-

## Restriction Digestion Map

	1	2	M
<p>bp</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 PvuII</p> <p><b>Lane M:</b> DNA Marker</p>

 Certified by: bg

 Date: 09/06/2022