

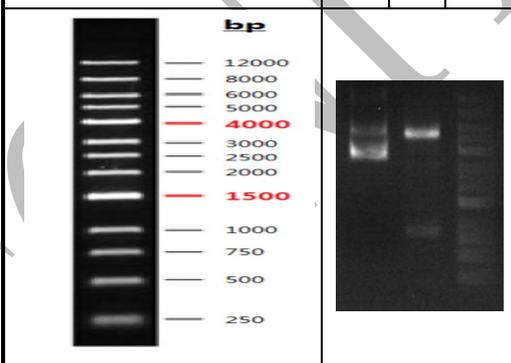
## CERTIFICATE OF ANALYSIS

<b>Vector Name</b>	pLac-GFP	<b>Catalog No.</b>	V005086
<b>Project/Lot No.</b>	G0287776-1/B18818	<b>Strain</b>	Top 10
<b>Quantity</b>	10 ug	<b>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	Pass
<b>DNA Quantity/Quality</b>	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	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>	-	-

### Restriction Digestion Map

	1	2	M	
 <p style="font-size: small;">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:** Chou Fang 周昉  
**Date:** Sep/18/2023  
**Valid until:** Sep/18/2025