

# Certificate of Analysis

**Project ID:** U465KGI150-1  
**Lot No:** U465KGI150-1/PD90593  
**Plasmid Name:** pUC18 plasmid DNA  
**Quantity:** 50 µg (50 µg each, 1 vial) **Concentration:** N/A  
**Final Buffer:** Lyophilized

QC Items	Specifications	Results	
Sequence Accuracy	Sanger sequencing verification to the inserted gene.	N/A	N/A
Appearance	Colorless, clear, free of precipitate or foreign particles	Pass	Colorless, clear, free of precipitate or foreign particles
Identity	Co-migrates with reference DNA and/or size confirmed versus marker	Pass	Confirmed
Restriction Digests	Expected size bands detected in agarose gel electrophoresis.	Pass	Matched
			Shown in attachment 1
OD260/OD280	1.8-2.0	Pass	1.93
Residual RNA	Not visible on agarose gel	Pass	Invisible
Genomic DNA	Not visible on agarose gel	Pass	Invisible
Endotoxin	<input type="checkbox"/> N/A	N/A	N/A
	<input checked="" type="checkbox"/> No QC testing requested		
Bio-Burden Assay	<input type="checkbox"/> Bio-Burden Assay	N/A	N/A
	<input checked="" type="checkbox"/> No QC testing requested		
Additional Test	N/A	N/A	

**NOTE**

Plasmid Storing at	Bacstab Storing at	Glycerol Stock Storing at
-20°C	4°C	-20°C/-80°C

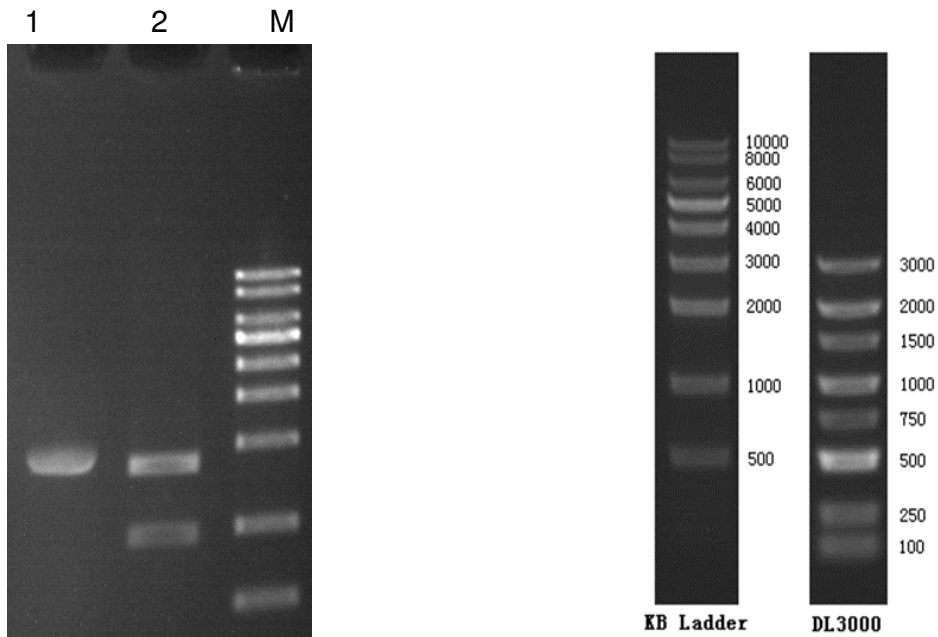
**Certified by:** *Yu Xin zheng* **Date:** 09/26/2021

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# Enzyme Digestion



Lane M: KB Ladder  
 Lane 1:U465KGI150-1 plasmid  
 Lane 2:U465KGI150-1 plasmid digested  
 by EcoRI and Scal

**Restriction digest of plasmid DNA:**

About 100-200 ng of plasmid was digested at 37°C for 30-60 minutes and analyzed on 1% Agarose Gel