

# Certificate of Analysis

**Project ID:** U401ZFI280-1  
**Lot No:** U401ZFI280-1/PD82108  
**Plasmid Name:** pUC18 plasmid DNA  
**Quantity:** 50 µg (50 µg each, 1 vial) **Concentration:** N/A  
**Final Volume:** N/A **Final Buffer:** Lyophilized

QC Items	Specifications	Results	
Sequence Accuracy	Sequence verification of full gene insert.	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	Matches expected test	Pass	Matched
			Shown in attachment 1
OD260/OD280	1.8-2.0	Pass	1.94
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**

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

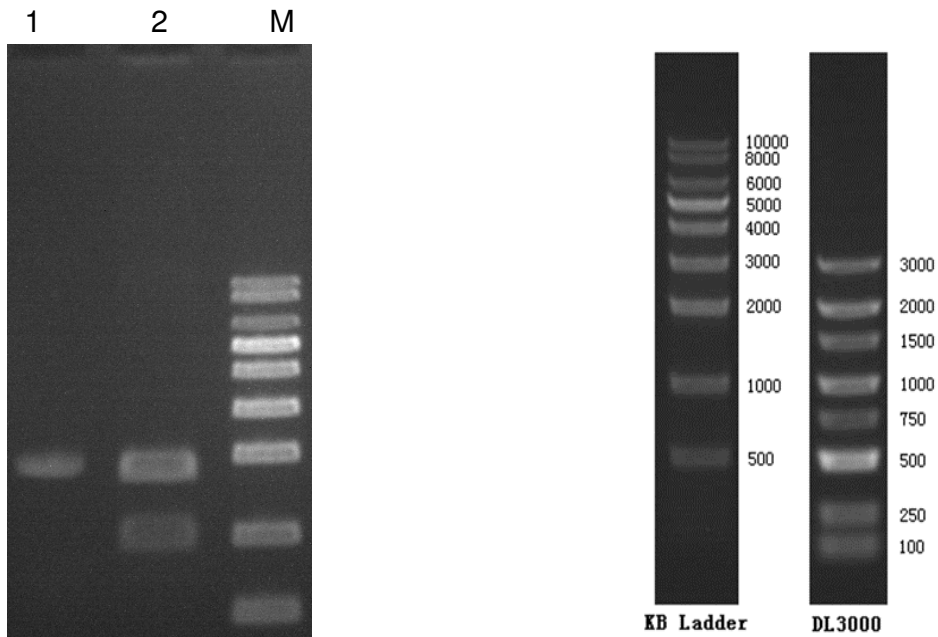
Certified by: *Felix Yu* Date: 10/08/2020

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# Enzyme Digestion



Lane M: KB Ladder  
 Lane 1:U401ZFI280-1 plasmid  
 Lane 2:U401ZFI280-1 plasmid digested  
 by EcoRI and Scal

**Digestion Conditions:**

About 300ng plasmid digested  
 Digestion in water-bath,37°C for 40 minutes  
 1% Agarose Gel