

Certificate of Analysis

Project ID: U578VGL140-1
Lot No: U578VGL140-1/PL90348
Plasmid Name: pUC57 plasmid DNA
Quantity: 100 µg(50 µg each,2 vials) **Concentration:** N/A
Final Buffer: Lyophilized
Competent cell: JM108 **Growth Temperature:** 37 °C

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: *Miao Chen* **Date:** 12/17/2021

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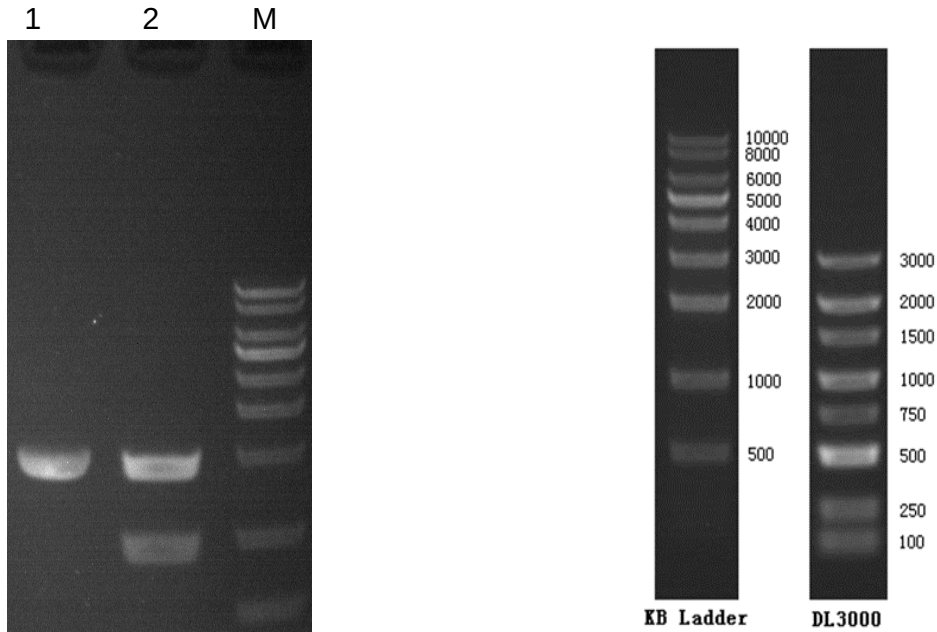
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Enzyme Digestion



Lane M: KB Ladder
 Lane 1: U578VGL140-1 plasmid
 Lane 2: U578VGL140-1 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