

Certificate of Analysis

Project ID: U8709840G0-1
Lot No: U8709840G0-1/PL37144
Plasmid Name: pUC57 plasmid DNA
Quantity: 500 µg(50 µg each,10 vials) **Concentration:** N/A
Final Buffer: Lyophilized
Competent cell: NEB Stable **Growth Temperature:** 37 °C

QC Items	Specifications	Results	
Sequence Accuracy	Sanger sequencing verification to the inserted gene.	Pass	Consistent
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	1.95
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	4°C	-20°C/-80°C

Certified by: *Bangjiao.Liu* **Date:** 05/25/2023

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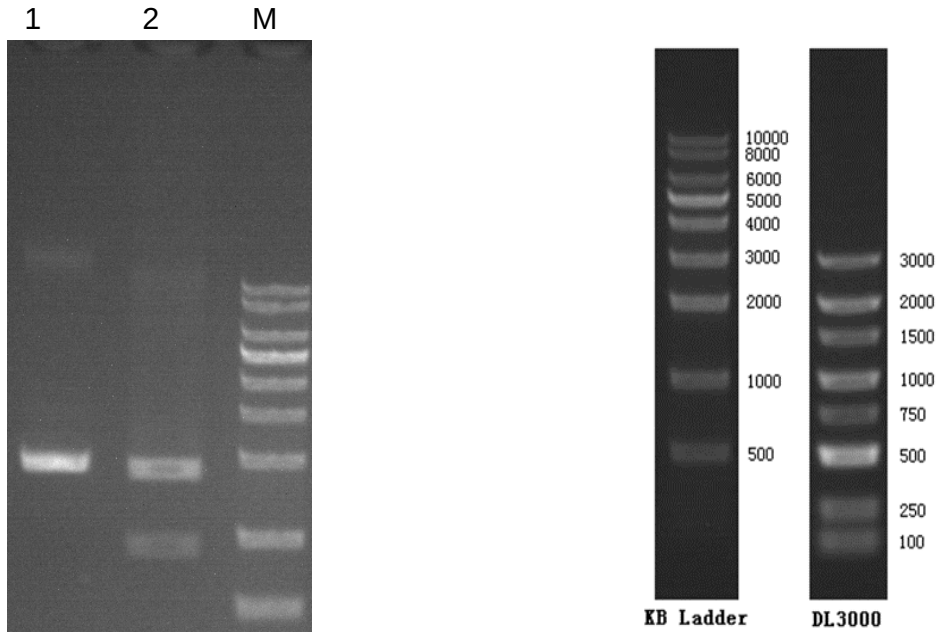
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Enzyme Digestion



Lane M: KB Ladder
 Lane 1:U8709840G0-1 plasmid
 Lane 2:U8709840G0-1 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