

# Certificate of Analysis

**Project ID:** U026GHF200-1  
**Lot No:** U026GHF200-1/PD91549  
**Plasmid Name:** pUC57 plasmid DNA  
**Quantity:** 1 mg(50 µg each,20 vials) **Concentration:** N/A  
**Final Buffer:** Lyophilized  
**Competent cell:** JM108 **Growth Temperature:** 37 °C

QC Items	Specifications	Results	
<b>Sequence Accuracy</b>	Sanger sequencing verification to the inserted gene.	N/A	N/A
<b>Appearance</b>	Colorless, clear, free of precipitate or foreign particles	Pass	Colorless, clear, free of precipitate or foreign particles
<b>Identity</b>	Co-migrates with reference DNA and/or size confirmed versus marker	Pass	Confirmed
<b>Restriction Digests</b>	Expected size bands detected in agarose gel electrophoresis.	Pass	Matched
			Shown in attachment 1
<b>OD260/OD280</b>	1.8-2.0	Pass	1.94
<b>Residual RNA</b>	Not visible on agarose gel	Pass	Invisible
<b>Genomic DNA</b>	Not visible on agarose gel	Pass	Invisible
<b>Endotoxin</b>	<input type="checkbox"/> N/A	N/A	N/A
	<input checked="" type="checkbox"/> No QC testing requested		
<b>Bio-Burden Assay</b>	<input type="checkbox"/> Bio-Burden Assay	N/A	N/A
	<input checked="" type="checkbox"/> No QC testing requested		
<b>Additional Test</b>	N/A	N/A	

**NOTE**

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

**Certified by:** *Xuxia Yang* **Date:** 07/02/2022

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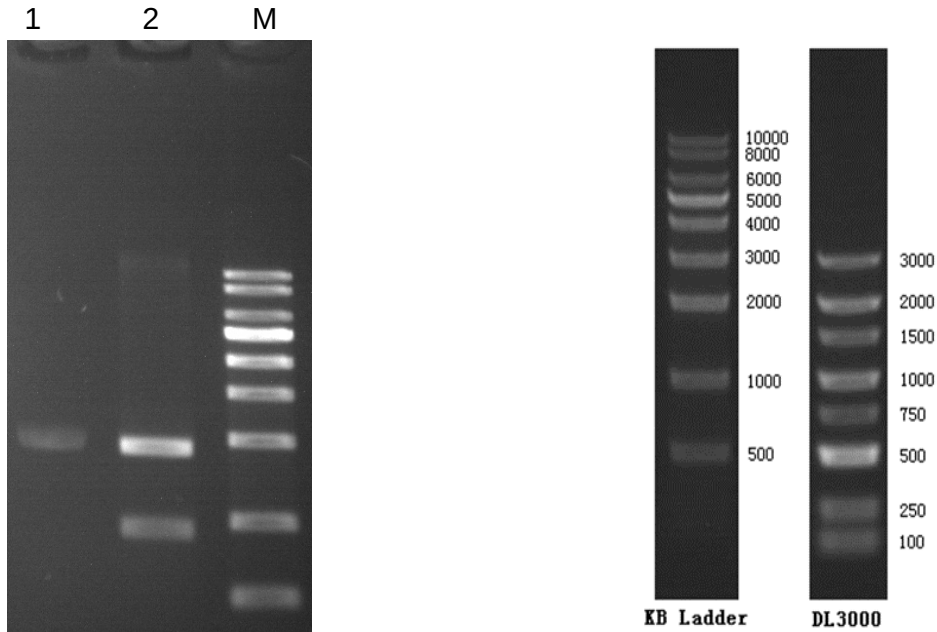
Tel: 1-732-885-9188

Fax: 1-732-210-0262

Email: order@genscript.com

Web: www.genscript.com

# Enzyme Digestion



Lane M: KB Ladder  
 Lane 1:U026GHF200-1 plasmid  
 Lane 2:U026GHF200-1 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