

Certificate of Analysis

Project ID: C4378393G0-1
Lot No: C4378393G0-1/PD80855
Plasmid Name: pUC57 plasmid DNA
Quantity: 500 µg(50 µg each,10 vials) **Concentration:** N/A
Final Buffer: Lyophilized
Competent cell: JM108 **Growth Temperature:** 37 °C

QC Items	Specifications	Results	
Appearance	Colorless, clear, free of precipitate or foreign particles	Pass	Clear, colorless, no visible particulates
Sequence Accuracy	Sequencing verification match the order requirements	Pass	Matched
Restriction Analysis	DNA bands with expected sizes detected by agarose gel electrophoresis	Pass	Matched
			Shown in attachment 1
A260/280	1.8-2.0	Pass	1.94
Residual RNA	Not visible on agarose gel	Pass	Invisible
E.coli Genomic DNA	The intensity of genomic DNA <15% of that of all bands	Pass	
Homogeneity	90% ± 10% Supercoiled	Pass	
Endotoxin	<input type="checkbox"/> N/A	N/A	N/A
	<input checked="" type="checkbox"/> No QC testing requested		
Bio-Burden Test	<input type="checkbox"/> Bio-Burden Test	N/A	N/A
	<input checked="" type="checkbox"/> No QC testing requested		
Additional Tests	N/A	N/A	

NOTE

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

Certified by:

Date: 03/09/2024

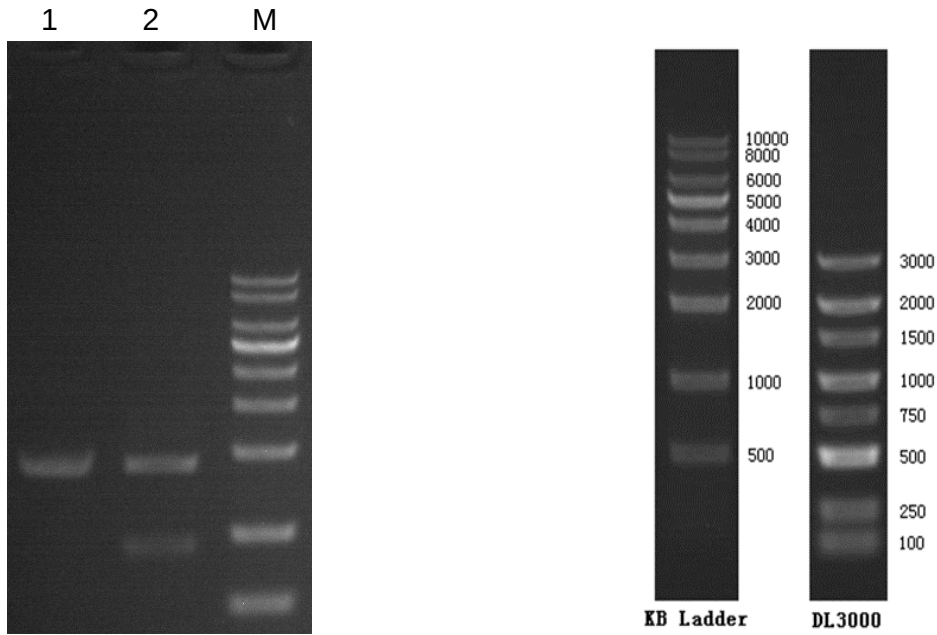
As a pioneer and leader in gene synthesis technology, and the largest gene synthesis supplier in the US, GenScript has completed over 600,000 genes synthesis projects for scientists around the world. Since our establishment in 2002, we have built the best-in-class capacity and capability for biological research services encompassing gene synthesis and molecular biology, peptide synthesis, custom antibodies, protein expression, antibody and protein engineering, and in vitro and in vivo pharmacology – all with the goal to Make Research Easy.

For research use only

江苏省南京市江宁科学园雍熙路28号

电话: 400-025-8686 025-58897288-5820 传真: 025-58897288-5815 电子邮箱: order@genscript.com.cn 网址: www.genscript.com.cn

Enzyme Digestion



Lane M: KB Ladder
Lane 1: C4378393G0-1 plasmid
Lane 2: C4378393G0-1 plasmid digested
by PvuI

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