

Certificate of Analysis

Project ID: U3722HA280-1
Lot No: U3722HA280-1/PD69354
Plasmid Name: pUC18 plasmid DNA
Quantity: 100 µg(50 µg each,2 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.	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	1.95
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°C	4°C	-20°C/-80°C

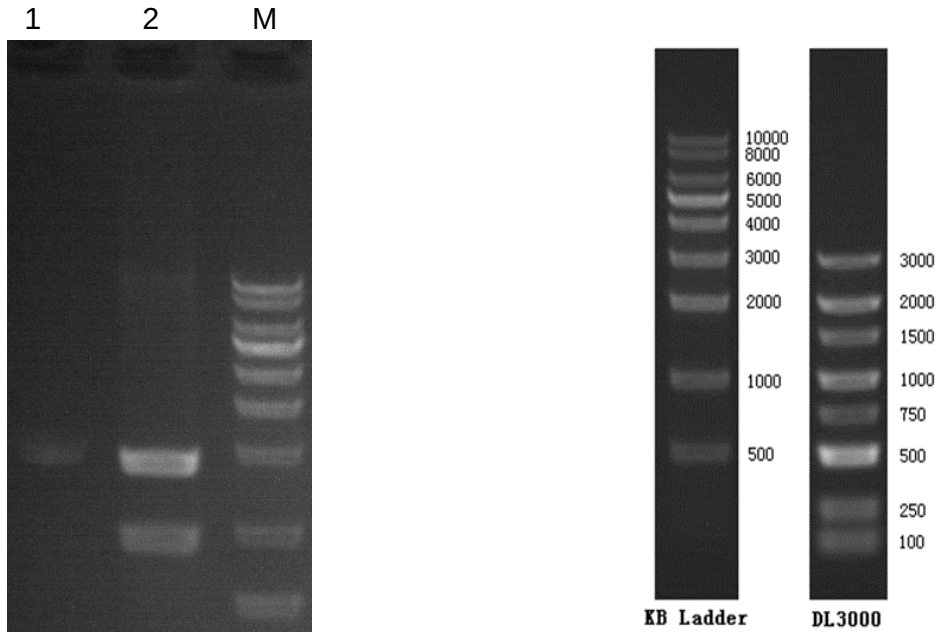
Certified by: *Miao Chen* **Date:** 02/08/2022

Thank you for your patronage to our Gene services! To maintain this working relationship, we shall be grateful if you can add our webpage URL into your lab website. As a token of appreciation, you will be rewarded by 1,000 EZcoupon™ points. For more information, please contact us by e-mail at web@genscript.com.

For research use only

860 Centennial Ave., Piscataway, NJ 08854, USA

Enzyme Digestion



Lane M: KB Ladder
 Lane 1: U3722HA280-1 plasmid
 Lane 2: U3722HA280-1 plasmid digested
 by ScaI and HindIII

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