

Certificate of Analysis

Project ID: U137UFG290-1
Lot No: U137UFG290-1/PD78433
Plasmid Name: pGS-21a
Quantity: 20 µg (10 µg each, 2 vials) **Concentration:** N/A
Final Volume: N/A **Final Buffer:** Lyophilized

QC Items	Specifications	Results	
Sequence Accuracy	Sequence verification of full gene insert.	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	Matches expected test	Pass	Matched
			Shown in attachment 1
OD260/OD280	1.8-2.0	Pass	1.91
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

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

Certified by: *Felix Yu* **Date:** 08/17/2020

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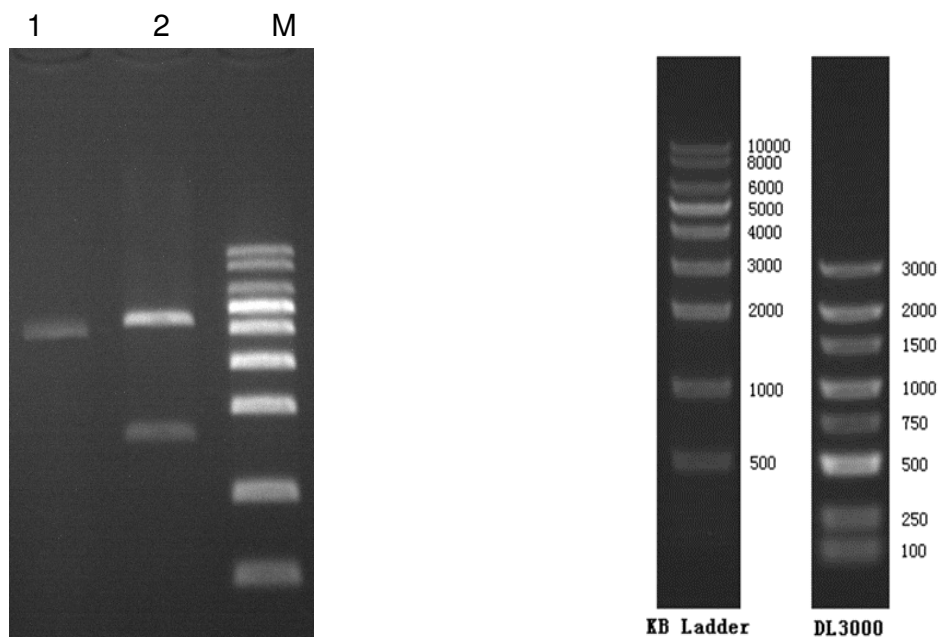
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Enzyme Digestion



Lane M: KB Ladder
Lane 1:U137UFG290-1 plasmid
Lane 2:U137UFG290-1 plasmid digested
by MluI and HindIII

Digestion Conditions:

About 300ng plasmid digested
Digestion in water-bath, 37°C for 40 minutes
1% Agarose Gel