

Certificate of Analysis

Project ID: U0252GD080-1
Lot No: U0252GD080-1/PL36304
Plasmid Name: pGen2.1
Quantity: 10 µg (10 µg each, 1 vial) **Concentration:** N/A
Final Buffer: Lyophilized

QC Items	Specifications	Results	
Sequence Accuracy	Sanger sequencing verification to the inserted gene.	Pass	100% alignment with reference sequence
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	1.91
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

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

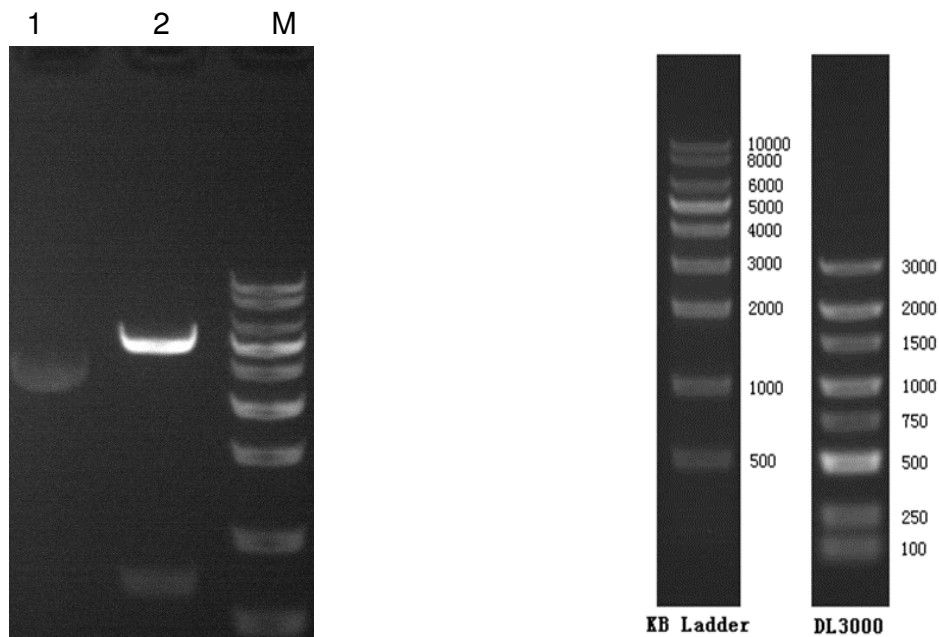
Certified by: *Miao Chen* **Date:** 04/17/2021

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Enzyme Digestion



Lane M: KB Ladder
Lane 1:U0252GD080-1 plasmid
Lane 2:U0252GD080-1 plasmid digested
by MluI 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