

Certificate of Analysis

Project ID: U194RFE240-9
Lot No: U194RFE240-9/PF00689
Plasmid Name: s_prot_pcDNA3.1(+)
Quantity: 50 mg(10 mg each,5 vials) **Concentration:** 1 mg/mL
Final Volume: 50ml **Final Buffer:** TE

QC Items	Specifications	Results	
Sequence Accuracy	Sequence verification of full gene insert.	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	Matches expected test	Pass	Matched
			Shown in attachment 1
OD260/OD280	1.8-2.0	Pass	1.88
Residual RNA	Not visible on agarose gel	Pass	Invisible
Genomic DNA	Not visible on agarose gel	Pass	Invisible
Endotoxin	<input checked="" type="checkbox"/> ≤0.01 EU/μg	Pass	≤0.01 EU/μg
	<input type="checkbox"/> No QC testing requested		
Bio-Burden Assay	<input checked="" type="checkbox"/> Bio-Burden Assay	Pass	No viable organism
	<input 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: *Morgan Wu* Date: 06/14/2020

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860 Centennial Ave., Piscataway, NJ 08854, USA

Toll-Free: 1-877-436-7274

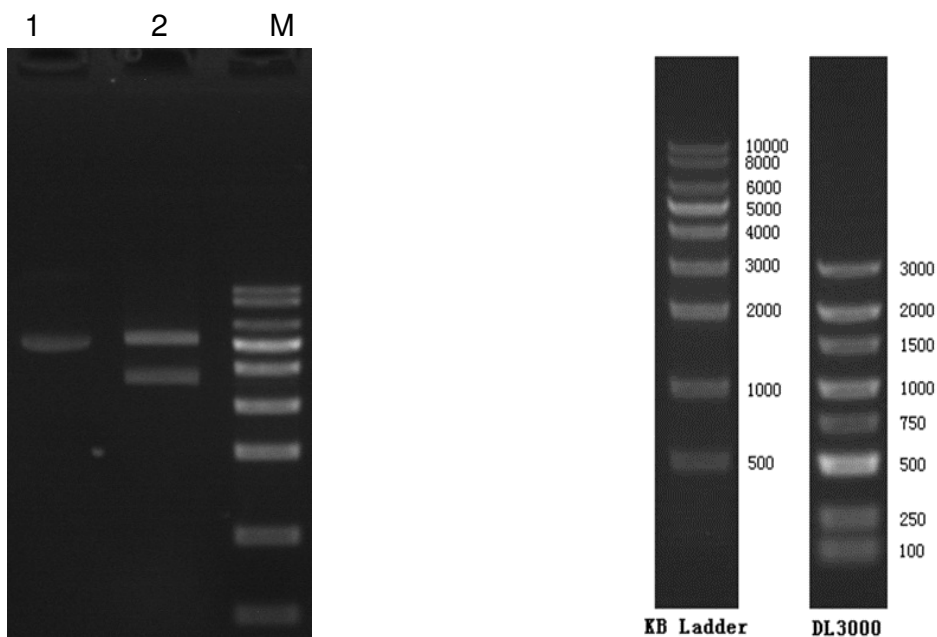
Tel: 1-732-885-9188

Fax: 1-732-210-0262

Email: order@genscript.com

Web: www.genscript.com

Enzyme Digestion



Lane M: KB Ladder
 Lane 1: U194RFE240-9 plasmid
 Lane 2: U194RFE240-9 plasmid digested
 by BamHI and NotI

Digestion Conditions:

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