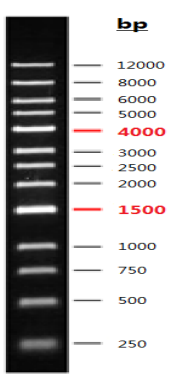
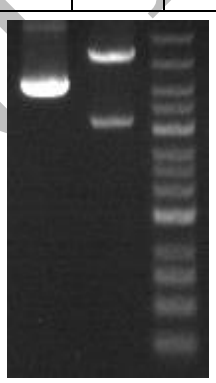
Certificate of Analysis

Vector Name	pLV2-U6-MCS-sgRNA-Cas9-mCherry-Puro	**Catalog No.**	V014242
Project/Lot No.	G0325934-1/D84766	**Strain**	DH10B
Quantity	100ug	**Resistance**	Ampicillin

QC Results

Test Items	Specifications	Results
Appearance	Clear, no visible particles	Pass
Concentration	The error range is within 5%	Pass
A260/280	1.8 - 2.0	Pass
A260/230	>2.0	Pass
Supercoiled content	No request	N/A
Residual RNA	Not visible upon electrophoresis	Pass
Genomic DNA	Not visible upon electrophoresis	Pass
Restriction Analysis	Conforms to reference	Pass
Bioburden assay	No growth on agar plate after 24 hours	N/A
Endotoxin Test	Verified, (Endo-Free Preps Only)	N/A
Label	Correct and white	Pass
Sequencing	Correct	Pass
Comments	-	-

Restriction Digestion Map

Marker	1	2	M	Description of Map
				**Lane 1**: Plasmid DNA **Lane 2**: Plasmid digested by EcoRI-BamHI (8811 bp + 4467 bp in theory) **Lane M**: DNA Marker

Certified by: Chou Fang

Date: July/10/2024

Valid until: July/10/2027

CONFIDENTIAL