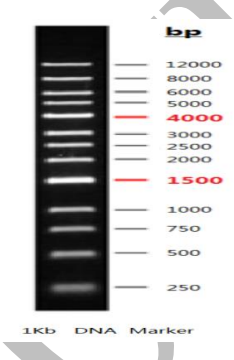
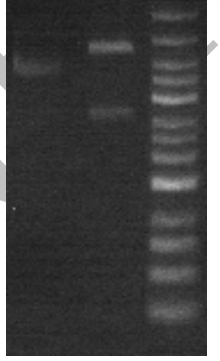
Certificate of Analysis

Vector Name	pSD1	**Catalog No.**	V003400
Project/Lot No.	G0331601-2/D88351	**Strain**	DH10B
Quantity	100ug	**Resistance**	Ampicillin

QC Results

Test Items	Specifications	Results
Insert Sequence	Insert sequence results consistent with target	Pass
Vector Sequence	Flanking sequence consistent with expected	Pass
ORF Across Junction	Correct and consistent with target	N/A
Restriction Digest	Expected fragment sizes observed	Pass
PCR Amplification	Correct without non - specific bands	Pass
DNA Quantity/Quality	Concentration (n/a if lyophilized)	N/A
	Purity (A 260/A280 = 1.8 - 2.0)	Pass
	Matrix	TE (lyophilized)
Endotoxin Test	Verified, <0.1 EU/μg (Endo-Free Preps Only)	N/A
Appearance	Clear, no visible particles	Pass
Label	Correct and white	Pass
Comments	-	-

Restriction Digestion Map

Marker	1	2	M	Description of Map
				**Lane 1**: Plasmid **Lane 2**: Plasmid Digested with BamHI (7,416 bp + 3,488 bp in theory) **Lane M**: DNA Marker

Certified by: Chou Fang

Date: Aug/29/2024

Valid until: Aug/29/2027

CONFIDENTIAL