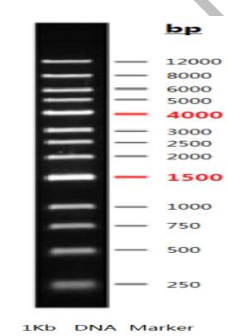
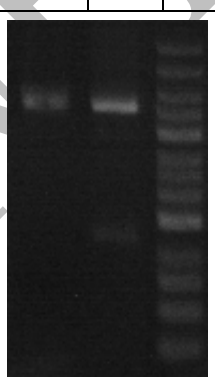
Certificate of Analysis

Vector Name	pMCSG9	**Catalog No.**	V010587
Project/Lot No.	G0326652-1/X15366	**Strain**	Top10
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 XbaI-NotI (5,127 bp + 1,278 bp in theory) **Lane M**: DNA Marker

Certified by: Chou Fang

Date: July/18/2024

Valid until: July/18/2027

CONFIDENTIAL