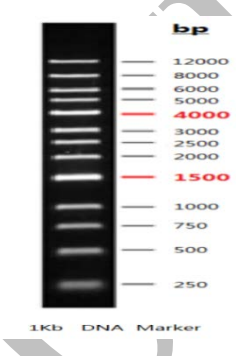
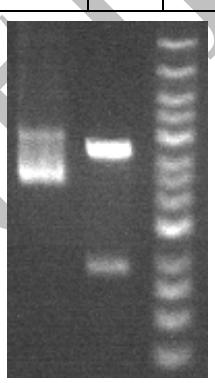
CERTIFICATE OF ANALYSIS

Gene Name	pKO403-lacZ-Sp	**Order No.**	V015373
Lot No.	20260601/43-2-XLB45460	**Quantity**	10ug
Competence	Top10	**Vector Resistance**	Spectinomycin

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 KpnI (994/3512 bp in theory) **Lane M**: DNA Marker

Certified by: Chou Fang
Date: 6-2-2026

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