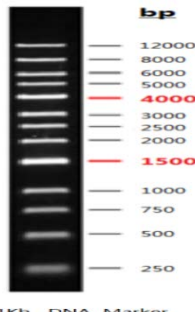
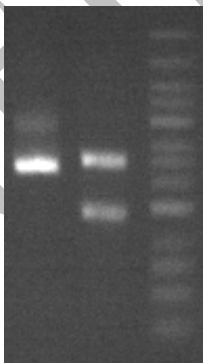


Certificate of Analysis				
Gene Name	pCMV-HA-UB-K33R	Order No.	V013961	
Lot No.	20250430/32-4-TF58051	Strain	Top10	
Quantity	100ug	Resistance	Ampicillin	
QC Results				
Test Items	Specifications	Results		
Insert Sequence	Insert sequence results consistent with target	Pass		
Vector Sequence	Flanking 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
 1Kb DNA Marker				Lane 1: Plasmid Lane 2: Plasmid Digested with Scal-SacI (1436/2555 bp in theory) Lane M: DNA Marker

Certified by: Chou Fang
Date: 5-1-2025

