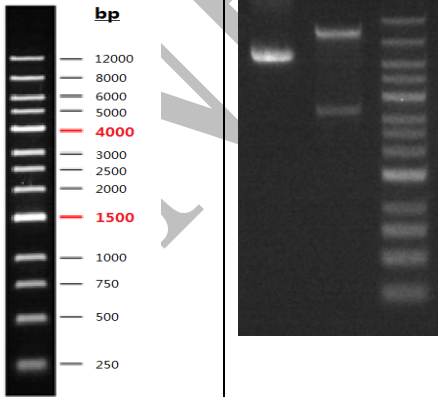


CERTIFICATE OF ANALYSIS			
Vector Name	pCas	Catalog No.	V012287
Project/Lot No.	G0410675-1/E77561	Strain	TOP10
Quantity	100ug	Resistance	Kanamycin
QC Results			
Test Items	Specifications	Results	
Appearance	Clear, no visible particles	Pass	
Concentration	On request, default	Pass	
A260/280	1.8 - 2.0	Pass	
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			
	<b>1</b>	<b>2</b>	<b>M</b>
 <p><b>bp</b></p> <p>12000 8000 6000 5000 4000 3000 2500 2000 1500 1000 750 500 250</p>	<p><b>Lane 1:</b> Plasmid DNA</p> <p><b>Lane 2:</b> Plasmid digested by Apal-XhoI (3422/9120 bp in theory)</p> <p><b>Lane M:</b> DNA Marker</p>		

Certified by: Chou Fang  
Date: April 15, 2026  
Valid until: April 15, 2029

