

Certificate of Analysis			
Vector Name	pMSP3535	Catalog No.	V004456
Project/Lot No.	80-2040525865/ AA101229	Strain	Top10
Quantity	100ug	Resistance	Erythromycin
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	
Genomic DNA	Purity (A 260/A280 = 1.8 - 2.0)	Pass	
Restriction Analysis	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			
	1	2	M
<div>1kb ladder</div> <div><div>1% agarose</div><div><div>bp</div><div>ng/5μl</div><div>10000 40</div><div>8000 40</div><div>6000 40</div><div>5000 100</div><div>4000 40</div><div>3000 40</div><div>2000 100</div><div>1500 40</div><div>1000 40</div><div>500 40</div></div></div>	<div><div>Lane 1:</div> Plasmid</div> <div><div>Lane 2:</div> Plasmid Digested with Sall (2715/5638 bp in theory)</div> <div><div>Lane M:</div> DNA Marker</div>		

Certified by: Chou Fang
Date: Dec/12/2025
Valid until: Dec/12/2028

