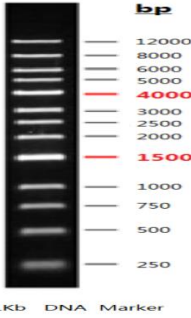
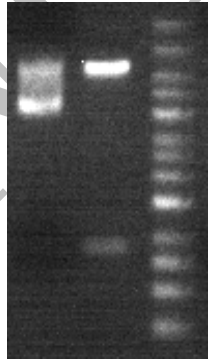


Certificate of Analysis				
Vector Name	pAAV-hSyn-DIO-hM3D(Gq)-mCherry	Catalog No.	V017491	
Project/Lot No.	G0330269-1/X25100	Strain	Top10	
Quantity	100ug	Resistance	Ampicillin	
QC Results				
Test Items	Specifications	Results		
Insert Sequence	Insert sequence results consistent with target	Pass		
Vector 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
 <p>1Kb DNA Marker</p>			<p><b>Lane 1:</b> Plasmid</p> <p><b>Lane 2:</b> Plasmid Digested with BamHI (6441 bp + 874 bp in theory)</p> <p><b>Lane M:</b> DNA Marker</p>	

Certified by: Chou Fang



Date: Aug/20/2024

Valid until: Aug/20/2026