



## CERTIFICATE OF ANALYSIS

Gene Name	PC15-15840-MN96706 9.1	Order No.	G0238078-1
Lot No.	MF49250	Cloning Vector	pGEM-T easy
Cloning Sites	EcoRV	Insert Size	688bp
Competence	Top10	Vector Resistance	Amp

## 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	N/A
DNA Quantity/Quality	Actual yield (by A 260 )	10ug
	Concentration (n/a if lyophilized)	N/A
	Purity (A 260/A280 =1.8 - 2.0)	Pass
	# of Tubes	1
	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
<p>bp</p> <p>12000 8000 6000 5000 4000 3000 2500 2000 1500 1000 750 500 250</p> <p>1Kb DNA Marker</p>			<p><b>Lane 1:</b> Plasmid</p> <p><b>Lane 2:</b> Plasmid Digested with PvuII</p> <p><b>Lane M:</b> DNA Marker</p>

Certified by: bg

Date: 06/28/2022