



CERTIFICATE OF ANALYSIS

Gene Name	14-25420-CESB Pc14-25420cesB-hjr	Order No.	G0228209-1
Lot No.	MF97730	Cloning Vector	pGEM-T easy
Cloning Sites	ECORV	Insert Size	88bp
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>Lane 1: Plasmid</p> <p>Lane 2: Plasmid Digested with ApaI-ScaI</p> <p>Lane M: DNA Marker</p>

Certified by: bg

Date: 04/28/2022