

-EF1-PuroNARCLot No.P1328-1Size7,384 bpQuantity100ugResistanceAmpicillinQC ResultsResultsSpecificationsResultsnsert SequenceInsert sequence results consistent with targetPassVector SequenceFlanking sequence consistent with expectedPassORF Across JunctionCorrect and consistent with targetN/ARestriction DigestExpected fragment sizes observedPassPCR AmplificationCorrect without non - specific bandsPassPCR AmplificationCorrect without non - specific bandsPassDNA Quantity/QualityPurity (A 260/A280 = 1.8 - 2.0)Pass# of Tubes2MatrixTE (lyophilized)MatrixVerified, <0.1 EU/µg (Endo-Free Preps Only)N/AAppearanceClear, no visible particlesPass			E OF ANALYSIS	
Quantity   100ug   Resistance   Ampicillin     QC Results     Rest Items   Specifications   Results     nsert 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     PCR Auplification   Correct without non - specific bands   Pass     ONA Quantity/Quality   Actual yield (by A 260 )   Sµg/Sµg     Concentration (n/a if lyophilized)   N/A     Purity (A 260/A280 = 1.8 - 2.0)   Pass     # of Tubes   2     Matrix   TE (lyophilize     Indotoxin 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   -	Vector Name		Catalog No.	V006738
QC Results     Fest Items   Specifications   Results     Insert Sequence   Insert sequence results consistent with target   Pass     Vector Sequence   Flanking sequence consistent with target   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     Actual yield (by A 260)   Sµg/Sµg   Concentration (n/a if lyophilized)   N/A     DNA Quantity/Quality   Purity (A 260/A280 = 1.8 - 2.0)   Pass   # of Tubes   2     Matrix   TE (lyophilized)   N/A   Pass   2     Mabel   Correct	Lot No.	P1328-1	Size	7,384 bp
Fest Items   Specifications   Results     nsert Sequence   Insert sequence results consistent with target   Pass     Vector Sequence   Flanking sequence consistent with expected   Pass     DRF Across Junction   Correct and consistent with target   N/A     Restriction Digest   Expected fragment sizes observed   Pass     PCR Amplification   Correct without non - specific bands   Pass     PCR Amplification   Correct without non - specific bands   Pass     ONA Quantity/Quality   Actual yield (by A 260 )   Sµg/5µg     Concentration (n/a if lyophilized)   N/A     Purity (A 260/A280 = 1.8 - 2.0)   Pass     # of Tubes   2     Matrix   TE (lyophilized)     Appearance   Clear, no visible particles   Pass     Label   Correct and white   Pass     Comments   -   -     Restriction Digestion Map	Quantity	100ug	Resistance	Ampicillin
nsert Sequence   Insert sequence results consistent with target   Pass     Vector Sequence   Flanking sequence consistent with expected   Pass     DRF Across Junction   Correct and consistent with target   N/A     Restriction Digest   Expected fragment sizes observed   Pass     PCR Amplification   Correct without non - specific bands   Pass     PCR Amplification   Correct without non - specific bands   Pass     ONA Quantity/Quality   Actual yield (by A 260 )   5µg/5µg     Concentration (n/a if lyophilized)   N/A     Purity (A 260/A280 = 1.8 - 2.0)   Pass     # of Tubes   2     Matrix   TE (lyophilize     Appearance   Clear, no visible particles   Pass     Label   Correct and white   Pass     Comments   -   -		QCI	Results	
Vector Sequence   Flanking sequence consistent with expected   Pass     DRF Across Junction   Correct and consistent with target   N/A     Restriction Digest   Expected fragment sizes observed   Pass     PCR Amplification   Correct without non - specific bands   Pass     Actual yield (by A 260 )   Sµg/Sµg   Concentration (n/a if lyophilized)   N/A     PURIty (A 260/A280 = 1.8 - 2.0)   Pass   2     Matrix   TE (lyophilize     Endotoxin Test   Verified, <0.1 EU/µg (Endo-Free Preps Only)	Test Items	Specifications		Results
DRF Across Junction   Correct and consistent with target   N/A     Restriction Digest   Expected fragment sizes observed   Pass     PCR Amplification   Correct without non - specific bands   Pass     Actual yield (by A 260 )   Sµg/5µg     Concentration (n/a if lyophilized)   N/A     PURIty/Quality   Purity (A 260/A280 = 1.8 - 2.0)   Pass     # of Tubes   2     Matrix   TE (lyophilize     Appearance   Clear, no visible particles   Pass     Label   Correct and white   Pass     Comments   -   -	Insert Sequence	Insert sequence res	Insert sequence results consistent with target	
Restriction Digest   Expected fragment sizes observed   Pass     PCR Amplification   Correct without non - specific bands   Pass     Actual yield (by A 260 )   5µg/5µg     ONA Quantity/Quality   Concentration (n/a if lyophilized)   N/A     Purity (A 260/A280 = 1.8 - 2.0)   Pass   2     Matrix   TE (lyophilize     Matrix   TE (lyophilize     Correct and white   Pass	Vector Sequence	Flanking sequence	Flanking sequence consistent with expected	
PCR Amplification   Correct without non - specific bands   Pass     Actual yield (by A 260)   5µg/5µg     Concentration (n/a if lyophilized)   N/A     Purity (A 260/A280 = 1.8 - 2.0)   Pass     # of Tubes   2     Matrix   TE (lyophilized)     Endotoxin Test   Verified, <0.1 EU/µg (Endo-Free Preps Only)	ORF Across Junction	Correct and consist	Correct and consistent with target	
Actual yield (by A 260) Concentration (n/a if lyophilized) Purity (A 260/A280 = 1.8 - 2.0) # of Tubes 2 Matrix TE (lyophilize Matrix TE (lyophilize Correct and white Correct and white Comments Comments Comments Comments	Restriction Digest	Expected fragment	Expected fragment sizes observed	
DNA Quantity/Quality   Concentration (n/a if lyophilized)   N/A     Purity (A 260/A280 = 1.8 - 2.0)   Pass     # of Tubes   2     Matrix   TE (lyophilized)     Endotoxin Test   Verified, <0.1 EU/µg (Endo-Free Preps Only)	PCR Amplification	Correct without no	Correct without non - specific bands	
DNA Quantity/Quality   Purity (A 260/A280 = 1.8 - 2.0)   Pass     # of Tubes   2     Matrix   TE (lyophilize     Endotoxin Test   Verified, <0.1 EU/µg (Endo-Free Preps Only)	DNA Quantity/Quality	Actual yield (by A 2	260)	5µg/5µg
# of Tubes   2     Matrix   TE (lyophilize     Endotoxin Test   Verified, <0.1 EU/µg (Endo-Free Preps Only)		Concentration (n/a if lyophilized)		N/A
Matrix   TE (lyophilize     Endotoxin Test   Verified, <0.1 EU/μg (Endo-Free Preps Only)		Purity (A 260/A280 = 1.8 - 2.0)		Pass
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   Constant   -		# of Tubes		2
Appearance   Clear, no visible particles   Pass     Label   Correct and white   Pass     Comments   -   -     Restriction Digestion Map   Constant		Matrix		TE (lyophilized)
Label Correct and white Pass   Comments - -   Restriction Digestion Map	Endotoxin Test	Verified, <0.1 EU/µ	N/A	
Comments	Appearance	Clear, no visible pa	Pass	
Restriction Digestion Map	Label	Correct and white		Pass
	Comments		-	-
1 2 M		Restriction	Digestion Map	
Lane 1: Plasmid Lane 2: Plasmid Digested with Mlul-Xbal Lane M: DNA Marker			ane 2: Plasmid Digested v	vith Mlul-Xbal



Certified by: Chou Fang

Date: <u>Mar/14/2023</u> Valid until: <u>Mar/13/2025</u>