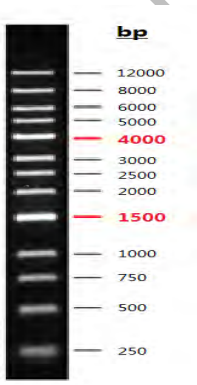
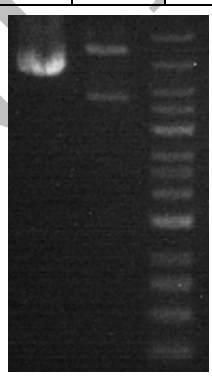
Certificate of Analysis

Vector Name	UBQ-RUBY	**Catalog No.**	V000621
Project/Lot No.	G0327444-5/D86065	**Strain**	DH10B
Quantity	100ug	**Resistance**	Spectinomycin, 50 μg/mL

QC Results

Test Items	Specifications	Results
Appearance	Clear, no visible particles	Pass
Concentration	The error range is within 5%	Pass
A260/280	1.8 - 2.0	Pass
A260/230	>2.0	Pass
Supercoiled content	No request	N/A
Residual RNA	Not visible upon electrophoresis	Pass
Genomic DNA	Not visible upon electrophoresis	Pass
Restriction Analysis	Conforms to reference	Pass
Bioburden assay	No growth on agar plate after 24 hours	N/A
Endotoxin Test	Verified, (Endo-Free Preps Only)	N/A
Label	Correct and white	Pass
Sequencing	Correct	Pass
Comments	-	-

Restriction Digestion Map

Marker	1	2	M	Description of Map
				**Lane 1**: Plasmid DNA **Lane 2**: Plasmid digested by XhoI-HindIII (9807 bp + 5817 bp in theory) **Lane M**: DNA Marker

Certified by: Chou Fang

Date: Jul/25/2024

Valid until: Jul/24/2027

CONFIDENTIAL