

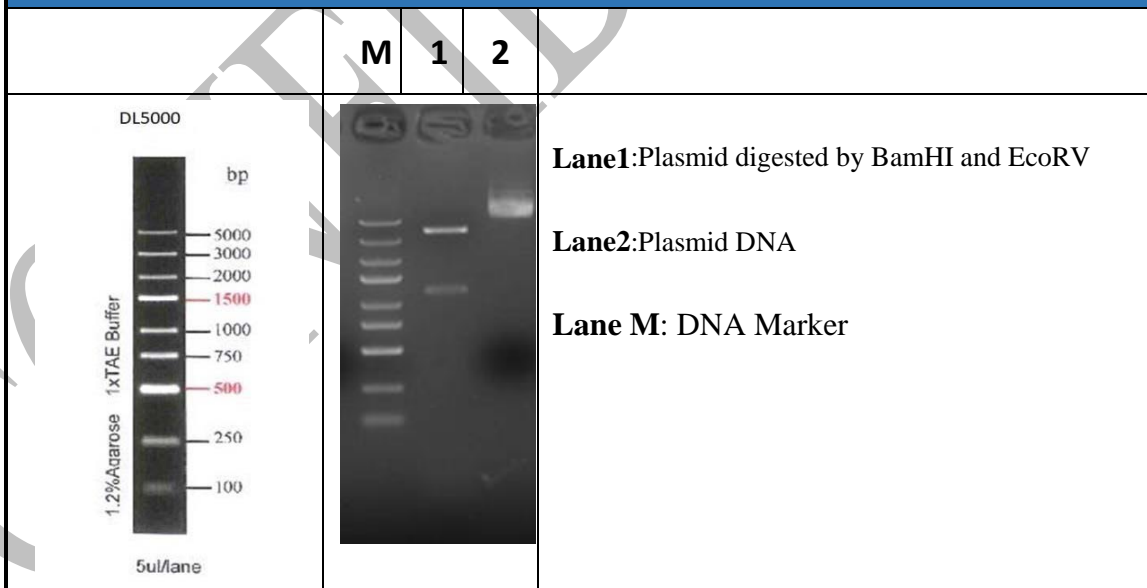
## CERTIFICATE OF ANALYSIS

<b>Vector Name</b>	pDONR221 P1-P4	<b>Catalog No.</b>	V011825
<b>Lot No.</b>	C245392	<b>Size</b>	4,774 bp
<b>Quantity</b>	100ug	<b>Resistance</b>	Kanamycin

### QC Results

Test Items	Specifications	Results
<b>Appearance</b>	Clear, no visible particles	Pass
<b>Concentration</b>	On request, default 1ug/uL	Pass
<b>A260/280</b>	1.8 - 2.0	Pass
<b>A260/230</b>	>2.0	Pass
<b>Supercoiled content</b>	No request	N/A
<b>Residual RNA</b>	Not visible upon electrophoresis	Pass
<b>Genomic DNA</b>	Not visible upon electrophoresis	Pass
<b>Restriction Analysis</b>	Conforms to reference	Pass
<b>Bioburden assay</b>	No growth on agar plate after 24 hours	N/A
<b>Endotoxin Test</b>	Verified, (Endo-Free Preps Only)	N/A
<b>Label</b>	Correct and white	Pass
<b>Sequencing</b>	Correct	Pass
<b>Comments</b>	-	-

### Restriction Digestion Map


**Certified by: Chou Fang**

**Date: Mar/27/2023**
**Valid until: Mar/26/2025**