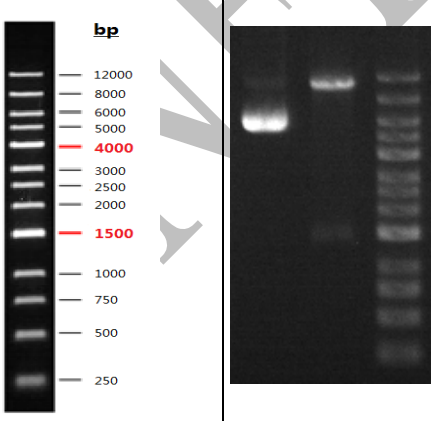
CERTIFICATE OF ANALYSIS

Vector Name	pMDC43	**Catalog No.**	V014606
Project/Lot No.	G0428565-2/D65635	**Strain**	DB3.1
Quantity	100 μg	**Resistance**	Kanamycin

QC Results

Test Items	Specifications	Results
Appearance	Clear, no visible particles	Pass
Concentration	On request, default	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



Lane 1: Plasmid DNA

Lane 2: Plasmid digested by EcoRI (1577/10889 bp in theory)

Lane M: DNA Marker

Certified by: Chou Fang
Date: Jul/22/2026
Valid until: Jul/22/2029

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