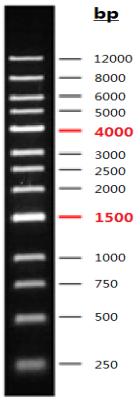
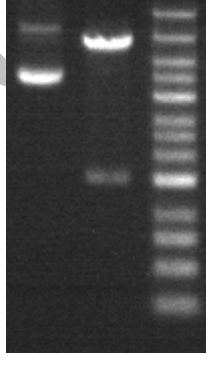
CERTIFICATE OF ANALYSIS

Vector Name	pcDNA3.1-AKAP1(human)-mCherry	**Catalog No.**	V040452
Project/Lot No.	G0414984-3/D52100	**Strain**	DH5a
Quantity	300ug (Transfection grade)	**Resistance**	Ampicillin

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

	1	2	M	
				**Lane 1**: Plasmid DNA **Lane 2**: Plasmid digested by XhoI (1577/7329 bp in theory) **Lane M**: DNA Marker

Certified by: Chou Fang
Date: Apr/29/2026
Valid until: Apr/29/2029

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