

NucleoSpin® Plasmid, 740588.10/ .50/ .250

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Latest publications from 2024, 2025, and 2026 on NucleoSpin® Plasmid

Title	Year	Journal	IF	Downstream application
Improving prime editing with an endogenous small RNA-binding protein.	2024	Nature	50.5	Sequencing, CRISPR library preparation
A pseudoautosomal glycosylation disorder prompts the revision of dolichol biosynthesis.	2024	Cell	45.5	Restriction digest, Sanger sequencing
Effector-host interactome map links type III secretion systems in healthy gut microbiomes to immune modulation.	2026	Nature Microbiology	20.5	Restriction digest, Sequencing
Chromosomal barcodes for simultaneous tracking of near-isogenic bacterial strains in plant microbiota.	2024	Nature Microbiology	20.5	Restriction digest
Diffdigester.uni-jena.de: a tool for optimized selection of restriction enzymes for plasmid identification in cloning procedures.	2025	Nucleic Acids Research	16.6	Restriction digest
Degradation and stable maintenance of adeno-associated virus inverted terminal repeats in E. coli.	2025	Nucleic Acids Research	16.6	Oxford Nanopore Sequencing
A modular toolbox for the optogenetic deactivation of transcription.	2025	Nucleic Acids Research	16.6	Sanger sequencing
Runaway evolution of telomeres in ascomycetous yeasts was accompanied by the replacement of ancestral telomeric proteins.	2025	Nucleic Acids Research	16.6	Sanger sequencing
Protein-free catalysis of DNA hydrolysis and self-integration by a ribozyme.	2025	Nucleic Acids Research	16.6	Restriction digest
Coupling tRNAGly gene redundancy with staphylococcal cell wall integrity, antibiotic susceptibility, and virulence potential.	2025	Nucleic Acids Research	16.6	Restriction digest
Kaposi's sarcoma herpesvirus exploits the DNA damage response to circularize its genome.	2024	Nucleic Acids Research	16.6	Transfection
Expanding the flexibility of base editing for high-throughput genetic screens in bacteria.	2024	Nucleic Acids Research	16.6	Sequencing
Conserved immunomodulation and variation in host association by Xanthomonadales commensals in Arabidopsis root microbiota.	2025	Nature Plants	15.8	Sanger sequencing, Transformation
Bottom-Up Synthesis and Purification of Extracellular Vesicle Mimetics.	2025	Journal of Extracellular Vesicles	15.5	Sanger sequencing



Chamber-specific chromatin architecture guides functional interpretation of disease-associated Cis-regulatory elements in human cardiomyocytes.	2026	Nature Communications	14.7	CRISPR library preparation
Dynamins maintain nuclear envelope homeostasis and genome stability.	2026	Nature Communications	14.7	Restriction digest, Sequencing
Assembly and the gating mechanism of the Pel exopolysaccharide export complex PelBC of Pseudomonas aeruginosa.	2025	Nature Communications	14.7	Sequencing
Identification of epigenetic regulators of fibrotic transformation in cardiac fibroblasts through bulk and single-cell CRISPR screens.	2025	Nature Communications	14.7	Sequencing
A yeast surface display platform for characterizing CAR T cell responses to cancer antigens.	2025	Nature Communications	14.7	Sanger sequencing
Structural basis for synthase activation and cellulose modification in the E. coli Type II Bcs secretion system.	2024	Nature Communications	14.7	Restriction digest, Sequencing
Adaptive laboratory evolution recruits the promiscuity of succinate semialdehyde dehydrogenase to repair different metabolic deficiencies.	2024	Nature Communications	14.7	Sanger sequencing
Disordered-to-ordered transitions in assembly factors allow the complex II catalytic subunit to switch binding partners.	2024	Nature Communications	14.7	Sanger sequencing
Directed evolution of LacI_D for cell surface proximity labeling and electron microscopy.	2025	Nature Chemical Biology	12.9	Sequencing
Enriching productive mutational paths accelerates enzyme evolution.	2024	Nature Chemical Biology	12.9	Transformation
FOXO1 re-expression with a dual-recombinase allele rescues class switching in germinal center B cells.	2025	The Journal of Experimental Medicine	12.6	Sanger sequencing
Targeted deletions in human mitochondrial DNA engineered by Type V CRISPR-Cas12a system.	2025	NAR Molecular Medicine	12.5	Sanger sequencing
Single-base tiled screen unveils design principles of PspCas13b for potent and off-target-free RNA silencing.	2024	Nature Structural Biology	12.5	Transformation
Principles of CRISPR-Cas13 mismatch intolerance enable selective silencing of point-mutated oncogenic RNA with single-base precision.	2024	Science Advances	11.7	Sanger sequencing
Stoichiometry and architecture of the human pyruvate dehydrogenase complex.	2024	Science Advances	11.7	Sequencing
Somatostatin triggers local cAMP and Ca²⁺ signaling in primary cilia to modulate pancreatic β-cell function.	2025	The EMBO Journal	11	Transfection



Influence of Amino Acid Substitutions in Capsid Proteins of Coxsackievirus B5 on Free Chlorine and Thermal Inactivation.	2024	Environmental Science & Technology	10.8	Sanger sequencing
CO-EXPRESSED WITH PSI ASSEMBLY1 (CEPA1) is a photosystem I assembly factor in Arabidopsis.	2024	The Plant Cell	10	Sanger sequencing

