NucleoSpin® RNA Plus, 740984.10/ .50/ .250

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Latest publications from 2024 and 2025 on NucleoSpin® RNA Plus

Title	Year	Journal	IF	Downstream application
Targeting TRPV6/CXCR4 complexes prevents castration-resistant prostate cancer metastasis to the bone.	2025	Signal Transduction and Targeted Therapy	40.8	RT-qPCR
Dominant variants in major spliceosome U4 and U5 small nuclear RNA genes cause neurodevelopmental disorders through splicing disruption.	2025	Nature Genetics	31.7	RNA-seq
Pathogenic UNC13A variants cause a neurodevelopmental syndrome by impairing synaptic function.	2025	Nature Genetics	31.7	RT-qPCR
Chromothripsis-associated chromosome 21 amplification orchestrates transformation to blast-phase MPN through targetable overexpression of DYRK1A.	2025	Nature Genetics	31.7	RNA-seq
Loss-of-Function but Not Gain-of-Function Properties of Mutant TP53 Are Critical for the Proliferation, Survival, and Metastasis of a Broad Range of Cancer Cells.	2024	Cancer Discovery	29.7	RT-qPCR
INX-315, a Selective CDK2 Inhibitor, Induces Cell Cycle Arrest and Senescence in Solid Tumors.	2024	Cancer Discovery	29.7	RNA-seq
MrgprA3 neurons drive cutaneous immunity against helminths through selective control of myeloid-derived IL-33.	2024	Nature Immunology	27.7	RT-qPCR
HNF1A and A1CF coordinate a beta cell transcription-splicing axis that is disrupted in type 2 diabetes.	2025	Cell Metabolism	27.7	RT-qPCR, RNA-seq
Integrated multimodal cell atlas of Alzheimer's disease.	2024	Nature Neuroscience	21.2	RNA-seq
The IFIT2-IFIT3 antiviral complex targets short 5' untranslated regions on viral mRNAs for translation inhibition.	2025	Nature Microbiology	20.5	5’ RACE
Non-canonical functions of DNMT3A in hematopoietic stem cells regulate telomerase activity and genome integrity.	2025	Cell Stem Cell	19.8	RNA-seq
Regulation of mammalian cellular metabolism by endogenous cyanide production.	2025	Nature Metabolism	18.9	RNA-seq

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Mechano-osmotic signals control chromatin state and fate transitions in pluripotent stem cells.	2025	Nature Cell Biology	17.3	RNA-seq
Toward a ToxAtlas of Carbon-Based Nanomaterials: Single-Cell RNA Sequencing Reveals Initiating Cell Circuits in Pulmonary Inflammation.	2025	ACS Nano	15.8	RNA-seq
A scalable two-step genome editing strategy for generating full-length gene-humanized mice at diverse genomic loci.	2026	Nature Communications	14.7	RNA-seq
Defective kinase activity of IKKα leads to combined immunodeficiency and disruption of immune tolerance in humans.	2024	Nature Communications	14.7	RT-qPCR
EWS-WT1 fusion isoforms establish oncogenic programs and therapeutic vulnerabilities in desmoplastic small round cell tumors.	2024	Nature Communications	14.7	RT-qPCR
Harbinger transposon insertion in ethylene signaling gene leads to emergence of new sexual forms in cucurbits.	2024	Nature Communications	14.7	RNA-seq
Differentiation shifts from a reversible to an irreversible heterochromatin state at the DM1 locus.	2024	Nature Communications	14.7	RNA-seq
NHSL3 controls single and collective cell migration through two distinct mechanisms.	2025	Nature Communications	14.7	RT-qPCR
Human single cell RNA-sequencing reveals a targetable CD8+ exhausted T cell population that maintains mouse low-grade glioma growth.	2024	Nature Communications	14.7	RT-qPCR
Genetically-stable engineered optogenetic gene switches modulate spatial cell morphogenesis in two- and three-dimensional tissue cultures.	2024	Nature Communications	14.7	RT-qPCR
Loss of embryonically-derived Kupffer cells during hypercholesterolemia accelerates atherosclerosis development.	2024	Nature Communications	14.7	RNA-seq
Activity of the mammalian DNA transposon piggyBat from Myotis lucifugus is restricted by its own transposon ends.	2025	Nature Communications	14.7	RNA-seq
Prion protein alters viral control and enhances pathology after perinatal cytomegalovirus infection.	2024	Nature Communications	14.7	RT-qPCR
MCL1 modulates mTORC1 signaling to promote bioenergetics and tumorigenesis.	2025	Nature Communications	14.7	RT-qPCR

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Regulatory T cells crosstalk with tumor cells and endothelium through lymphotoxin signaling.	2024	Nature Communications	14.7	RNA-seq
SPOROCYTELESS/NOZZLE cooperates with MADS-domain transcription factors to regulate an auxin-dependent network controlling Megaspore-Mother-Cell differentiation.	2025	Nature Communications	14.7	RT-qPCR
PIM2 inhibition promotes MCL1 dependency in plasma cells involving integrated stress response-driven NOXA expression.	2025	Nature Communications	14.7	RT-qPCR
A decision point between transdifferentiation and programmed cell death priming controls KRAS-dependent pancreatic cancer development.	2025	Nature Communications	14.7	RT-qPCR
Pan-inhibition of super-enhancer-driven oncogenic transcription by next-generation synthetic ecteinascidins yields potent anti-cancer activity.	2025	Nature Communications	14.7	RT-qPCR
Histone deacetylase SIRT6 regulates tryptophan catabolism and prevents metabolite imbalance associated with neurodegeneration.	2025	Nature Communications	14.7	RNA-seq
Multi-omics characterization of the monkeypox virus infection.	2024	Nature Communications	14.7	RT-qPCR
The proteasome modulates endocytosis specifically in glomerular cells to promote kidney filtration.	2024	Nature Communications	14.7	RT-qPCR
Restoring NK Cell Cytotoxicity Post-Cryopreservation via Synthetic Cells.	2025	Advanced Science	14.3	RNA-seq

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