

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on Apr 24, 2024

Addgene

RRID:SCR_002037

Type: Tool

Proper Citation

Addgene (RRID:SCR_002037)

Resource Information

URL: <http://www.addgene.org>

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Description: Non-profit plasmid repository dedicated to helping scientists around the world share high-quality plasmids. Facilitates archiving and distributing DNA-based research reagents and associated data to scientists worldwide. Repository contains over 65,000 plasmids, including special collections on CRISPR, fluorescent proteins, and ready-to-use viral preparations. There is no cost for scientists to deposit plasmids, which saves time and money associated with shipping plasmids themselves. All plasmids are fully sequenced for validation and sequencing data is openly available. We handle the appropriate Material Transfer Agreements (MTA) with institutions, facilitating open exchange and offering intellectual property and liability protection for depositing scientists. Furthermore, we curate free educational resources for the scientific community including a blog, eBooks, video protocols, and detailed molecular biology resources.

Synonyms: Addgene Repository, Addgene Plasmid Database

Resource Type: storage service resource, organization portal, service resource, data or information resource, material storage repository, portal

Defining Citation: [DOI:10.1093/nar/gku893](https://doi.org/10.1093/nar/gku893)

Keywords: RIN, Resource Information Network, plasmid, molecular biology, sequence alignment, repository, bio.tools, FASEB list

Funding Agency: Fees collected from plasmid sales support operation of the repository

Availability: Free (deposit of plasmids), Limited (Some available to academic and non-profits, For-profit entities, Commercial license), Material Transfer Agreement, Non-

commercial, Acknowledgement required, Copyrighted, For informational purposes only, Commercial with written consent, The community can contribute to this resource

Resource Name: Addgene

Resource ID: SCR_002037

Alternate IDs: ISNI: 0000 0004 5912 0787, Wikidata: Q4681063, grid.482682.2, biotools:Addgene, nif-0000-11872

Alternate URLs: <https://ror.org/01nn1pw54>, <https://bio.tools/Addgene>

Ratings and Alerts

No rating or validation information has been found for Addgene.

No alerts have been found for Addgene.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 37972 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Bae SY, et al. (2024) Noncanonical Activity of Med4 as a Gatekeeper of Metastasis through Epigenetic Control of Integrin Signaling. bioRxiv : the preprint server for biology.

Wolfe AD, et al. (2024) Local and dynamic regulation of neuronal glycolysis in vivo. Proceedings of the National Academy of Sciences of the United States of America, 121(3), e2314699121.

Meng Q, et al. (2024) ALYREF-JunD-SLC7A5 axis promotes pancreatic ductal adenocarcinoma progression through epitranscriptome-metabolism reprogramming and immune evasion. Cell death discovery, 10(1), 97.

Mirzaei-Behbahani B, et al. (2024) Efficient inhibition of amyloid fibrillation and cytotoxicity of α -synuclein and human insulin using biosynthesized silver nanoparticles decorated by green tea polyphenols. Scientific reports, 14(1), 3907.

Yoo TY, et al. (2024) Quantitative comparison of nuclear transport inhibition by SARS coronavirus ORF6 reveals the importance of oligomerization. Proceedings of the National Academy of Sciences of the United States of America, 121(4), e2307997121.

Nakamura T, et al. (2024) Human RFX6 regulates endoderm patterning at the primitive gut tube stage. *PNAS nexus*, 3(1), pgae001.

Worthmann A, et al. (2024) Fatty acid synthesis suppresses dietary polyunsaturated fatty acid use. *Nature communications*, 15(1), 45.

Gaikani HK, et al. (2024) From beer to breadboards: yeast as a force for biological innovation. *Genome biology*, 25(1), 10.

Foo GW, et al. (2024) Intein-based thermoregulated meganucleases for containment of genetic material. *Nucleic acids research*, 52(4), 2066.

Adolf F, et al. (2024) Visualizing chaperone-mediated multistep assembly of the human 20S proteasome. *bioRxiv : the preprint server for biology*.

Tian Y, et al. (2024) mRNA nuclear retention reduces AMPAR expression and promotes autistic behavior in UBE3A-overexpressing mice. *EMBO reports*, 25(3), 1282.

Nguyen LTA, et al. (2024) Specific binding of G-quadruplex in SARS-CoV-2 RNA by RHAU peptide. *Current research in structural biology*, 7, 100126.

Seo Y, et al. (2024) A Comprehensive Understanding of Post-Translational Modification of Sox2 via Acetylation and O-GlcNAcylation in Colorectal Cancer. *Cancers*, 16(5).

Linjacki S, et al. (2024) H₂S Protects from Rotenone-Induced Ferroptosis by Stabilizing Fe-S Clusters in Rat Cardiac Cells. *Cells*, 13(5).

Frei MS, et al. (2024) Far-red chemigenetic biosensors for multi-dimensional and super-resolved kinase activity imaging. *bioRxiv : the preprint server for biology*.

Hirohata K, et al. (2024) Applications and Limitations of Equilibrium Density Gradient Analytical Ultracentrifugation for the Quantitative Characterization of Adeno-Associated Virus Vectors. *Analytical chemistry*, 96(2), 642.

Chiu HW, et al. (2024) AIM2 promotes irradiation resistance, migration ability and PD-L1 expression through STAT1/NF- κ B activation in oral squamous cell carcinoma. *Journal of translational medicine*, 22(1), 13.

Mohajerani F, et al. (2024) CLEC19A overexpression inhibits tumor cell proliferation/migration and promotes apoptosis concomitant suppression of PI3K/AKT/NF- κ B signaling pathway in glioblastoma multiforme. *BMC cancer*, 24(1), 19.

Al Hamwi G, et al. (2024) Proinflammatory chemokine CXCL14 activates MAS-related G protein-coupled receptor MRGPRX2 and its putative mouse ortholog MRGPRB2. *Communications biology*, 7(1), 52.

Ren QN, et al. (2024) Two somatic mutations in the androgen receptor N-terminal domain are oncogenic drivers in hepatocellular carcinoma. *Communications biology*, 7(1), 22.