Resource Summary Report

Generated by NIF on Apr 18, 2025

National Gene Vector Biorepository

RRID:SCR_004760
Type: Tool

Proper Citation

National Gene Vector Biorepository (RRID:SCR_004760)

Resource Information

URL: https://www.ngvbcc.org/

Proper Citation: National Gene Vector Biorepository (RRID:SCR_004760)

Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented on January 11, 2023. Archiving services, insertional site analysis, pharmacology and toxicology resources, and reagent repository for academic investigators and others conducting gene therapy research. Databases and educational resources are open to everyone. Other services are limited to gene therapy investigators working in academic or other non-profit organizations. Stores reserve or back-up clinical grade vector and master cell banks. Maintains samples from any gene therapy related Pharmacology or Toxicology study that has been submitted to FDA by U.S. academic investigator that require storage under Good Laboratory Practices. For certain gene therapy clinical trials, FDA has required post-trial monitoring of patients, evaluating clinical samples for evidence of clonal expansion of cells. To help academic investigators comply with this FDA recommendation, the NGVB offers assistance with clonal analysis using LAM-PCR and LM-PCR technology.

Abbreviations: NGVB

Resource Type: access service resource, service resource, core facility

Defining Citation: PMID:31910049

Keywords: gene therapy, clinical trial, testing, insertion site, gene, clinical, vector, cell line, pharmacology, toxicology, clonal analysis, FASEB list

Funding: NHLBI ;
NCRR

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: National Gene Vector Biorepository

Resource ID: SCR_004760

Alternate IDs: nlx_76398

Alternate URLs: http://www.ngvl.org/, https://www.ngvbcc.org/Home.action

Record Creation Time: 20220129T080226+0000

Record Last Update: 20250418T055052+0000

Ratings and Alerts

No rating or validation information has been found for National Gene Vector Biorepository.

No alerts have been found for National Gene Vector Biorepository.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 33 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Torres HM, et al. (2024) Comprehensive analysis of the proximity-dependent nuclear interactome for the oncoprotein NOTCH1 in live cells. The Journal of biological chemistry, 300(1), 105522.

Gnimpieba E, et al. (2024) Mapping Novel Frataxin Mitochondrial Networks Through Protein-Protein Interactions. Research square.

Cornetta K, et al. (2023) Replication competent retrovirus testing (RCR) in the National Gene Vector Biorepository: No evidence of RCR in 1,595 post-treatment peripheral blood samples obtained from 60 clinical trials. Molecular therapy : the journal of the American Society of Gene Therapy, 31(3), 801.

May DG, et al. (2021) A BioID-derived proximity interactome for SARS-CoV-2 proteins. bioRxiv : the preprint server for biology.

Weston LJ, et al. (2021) Genetic deletion of Polo-like kinase 2 reduces alpha-synuclein

serine-129 phosphorylation in presynaptic terminals but not Lewy bodies. The Journal of biological chemistry, 296, 100273.

Park JH, et al. (2021) Genetically engineered cell membrane-coated nanoparticles for targeted delivery of dexamethasone to inflamed lungs. Science advances, 7(25).

May DG, et al. (2020) Comparative Application of BioID and TurboID for Protein-Proximity Biotinylation. Cells, 9(5).

Gudi RR, et al. (2019) Engineered Dendritic Cell-Directed Concurrent Activation of Multiple T cell Inhibitory Pathways Induces Robust Immune Tolerance. Scientific reports, 9(1), 12065.

Schaser AJ, et al. (2019) Alpha-synuclein is a DNA binding protein that modulates DNA repair with implications for Lewy body disorders. Scientific reports, 9(1), 10919.

Hossain MM, et al. (2018) Hyperactivation of nuclear receptor coactivators induces PERK-dependent cell death. Oncotarget, 9(14), 11707.

Cornetta K, et al. (2018) Absence of Replication-Competent Lentivirus in the Clinic: Analysis of Infused T Cell Products. Molecular therapy : the journal of the American Society of Gene Therapy, 26(1), 280.

Cornetta K, et al. (2018) Screening Clinical Cell Products for Replication Competent Retrovirus: The National Gene Vector Biorepository Experience. Molecular therapy. Methods & clinical development, 10, 371.

Wang G, et al. (2017) Crucial Roles for SIRT2 and AMPA Receptor Acetylation in Synaptic Plasticity and Memory. Cell reports, 20(6), 1335.

Birendra Kc , et al. (2017) VRK2A is an A-type lamin-dependent nuclear envelope kinase that phosphorylates BAF. Molecular biology of the cell, 28(17), 2241.

Chen J, et al. (2017) Heparan sulfate: Resilience factor and therapeutic target for cocaine abuse. Scientific reports, 7(1), 13931.

Kurkewich JL, et al. (2017) The miR-23a~27a~24-2 microRNA cluster buffers transcription and signaling pathways during hematopoiesis. PLoS genetics, 13(7), e1006887.

Badgandi HB, et al. (2017) Tubby family proteins are adapters for ciliary trafficking of integral membrane proteins. The Journal of cell biology, 216(3), 743.

Kim DI, et al. (2016) An improved smaller biotin ligase for BioID proximity labeling. Molecular biology of the cell, 27(8), 1188.

Shen K, et al. (2016) Suicide Gene-Engineered Stromal Cells Reveal a Dynamic Regulation of Cancer Metastasis. Scientific reports, 6, 21239.

Pal K, et al. (2016) Smoothened determines ?-arrestin-mediated removal of the G protein-coupled receptor Gpr161 from the primary cilium. The Journal of cell biology, 212(7), 861.