

Resource Summary Report

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Open Biosystems

RRID:SCR_000808

Type: Tool

Proper Citation

Open Biosystems (RRID:SCR_000808)

Resource Information

URL: <https://www.openbiosystems.com/>

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Description: Open Biosystems offers products that span Genomics, RNAi and Antibodies. Building on the rapid sharing model that is at the core of the Human Genome Project, Open Biosystems collaborates with some of the most innovative life science investigators working today. We partner with them to bring to market new products they have often pioneered the new resources in their own lab, and we prepare it for widespread use and then provide access to the research community. Delivery of genetic content is our most recent technological breakthrough. Recently, we brought to market the Tranz-vector system, the safest human-based lentiviral delivery technology. Further supplementing our already strong line of RNA interference (RNAi) and complementary DNA (cDNA) products, this technology provides investigators with superior delivery capabilities for high-quality cellular screening. The combination of our unique Tranz-vector system and whole genome RNAi and cDNA content enables our customers to perform drug target validation on a large scale. With our genomics resources, Open Biosystems provides the content investigators utilize to unlock the functions of human genes and their relationships to normal and disease development. We offer the most complete gene library in the industry. This novel library consists of several full length cDNA and open reading frame collections. Most prominently among these is the Mammalian Gene Collection (MGC), the industry's gold standard gene catalog. The discovery of RNA interference has revolutionized the way investigators approach the studies of gene expression, regulation and interactions, particularly as it relates to drug development. Our collaboration with Drs. Greg Hannon (CSHL) and Steve Elledge (Harvard) has led the way in the evolution of the short hairpin RNA (shRNA) technologies to provide the life science community with whole genome resources for human, mouse and rat with a multitude of technology and delivery advantages.

Synonyms: Open Biosystems - RNAi Gene Expression Antibodies

Resource Type: instrument resource

Keywords: open reading frame, cdna, antibody, commercial

Funding:

Resource Name: Open Biosystems

Resource ID: SCR_000808

Alternate IDs: nlx_144444

Record Creation Time: 20220129T080203+0000

Record Last Update: 20250420T014008+0000

Ratings and Alerts

No rating or validation information has been found for Open Biosystems.

No alerts have been found for Open Biosystems.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Han B, et al. (2017) Human DBR1 modulates the recycling of snRNPs to affect alternative RNA splicing and contributes to the suppression of cancer development. *Oncogene*, 36(38), 5382.

Che H, et al. (2016) Functional TRPV2 and TRPV4 channels in human cardiac c-kit(+) progenitor cells. *Journal of cellular and molecular medicine*, 20(6), 1118.

D'Urso A, et al. (2016) Set1/COMPASS and Mediator are repurposed to promote epigenetic transcriptional memory. *eLife*, 5.

Schwager EE, et al. (2015) vasa and piwi are required for mitotic integrity in early embryogenesis in the spider *Parasteatoda tepidariorum*. *Developmental biology*, 402(2),

276.

Greenman R, et al. (2015) Non-cell autonomous and non-catalytic activities of ATX in the developing brain. *Frontiers in neuroscience*, 9, 53.

Ishikawa T, et al. (2015) Human induced hepatic lineage-oriented stem cells: autonomous specification of human iPS cells toward hepatocyte-like cells without any exogenous differentiation factors. *PLoS one*, 10(4), e0123193.

Yuan M, et al. (2014) RNA binding protein RBM14 promotes radio-resistance in glioblastoma by regulating DNA repair and cell differentiation. *Oncotarget*, 5(9), 2820.

Turk EM, et al. (2013) The mitochondrial RNA landscape of *Saccharomyces cerevisiae*. *PLoS one*, 8(10), e78105.

Steere N, et al. (2012) A Wnt/beta-catenin pathway antagonist Chibby binds Cenexin at the distal end of mother centrioles and functions in primary cilia formation. *PLoS one*, 7(7), e41077.