

Resource Summary Report

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GENCODE

RRID:SCR_014966

Type: Tool

Proper Citation

GENCODE (RRID:SCR_014966)

Resource Information

URL: <https://www.gencodegenes.org>

Proper Citation: GENCODE (RRID:SCR_014966)

Description: Human and mouse genome annotation project which aims to identify all gene features in the human genome using computational analysis, manual annotation, and experimental validation.

Synonyms: ENCODE

Resource Type: portal, data or information resource, dataset, project portal

Defining Citation: [PMID:22955987](#)

Keywords: human, mouse, genome, annotation, sequence, gene features, bio.tools

Funding: NHGRI 5U54HG004555;
Wellcome Trust WT098051

Availability: Free

Resource Name: GENCODE

Resource ID: SCR_014966

Alternate IDs: biotools:GENCODE

Alternate URLs: <https://bio.tools/GENCODE>

Record Creation Time: 20220129T080323+0000

Record Last Update: 20260801T190832+0000

Ratings and Alerts

- Used for genome assembly by the Human Islet Research Network community. Contact(s): [Golnaz Vahedi](#), [Klaus Kaestner](#) - Human Islets Research Network <https://hirnetwork.org/>

No alerts have been found for GENCODE.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 7700 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Stern YE, et al. (2026) Targeting CDK12/13 Drives Mitotic Arrest to Overcome Resistance to KRASG12C Inhibitors. Cancer research, 86(2), 485.

Zhao XC, et al. (2026) Unexpectedly high levels of normally spliced transcripts from the pathogenic SLC10A7 alleles in a recessive form of skeletal dysplasia. HGG advances, 7(1), 100545.

Biswas D, et al. (2026) Common and distinct roles of AMPK?? isoforms in small-molecule activator-stimulated glucose uptake in mouse skeletal muscle. Molecular metabolism, 103, 102294.

Liu Y, et al. (2026) A Novel MPT-Driven Necrosis-Related lncRNA Signature for Prognostic Prediction in Hepatocellular Carcinoma: Validation Using Organoids. Cancer medicine, 15(1), e71445.

Anastasi F, et al. (2026) Proteomic polygenic risk scores of age-related plasma protein levels reveal a role for Metalloproteinase inhibitor 2 (TIMP2) in cognitive performance. Neurobiology of aging, 157, 68.

Wang Z, et al. (2026) Multidimensional mapping of stimulation-responsive regulatory elements and candidate causal variants in T cell activation. Science advances, 12(1), eady2539.

Vidak S, et al. (2026) Transcriptional profiling of Hutchinson-Gilford progeria patients identifies primary target pathways of progerin. Nucleus (Austin, Tex.), 17(1), 2611484.

Saferali A, et al. (2026) Overlap between COPD genetic association results and transcriptional quantitative trait loci. HGG advances, 7(1), 100493.

Tang G, et al. (2026) Pan-cancer analysis reveals molecular signatures for predicting matrix stiffness in solid tumors. International journal of cancer, 158(4), 1093.

Daniel MM, et al. (2026) Integrative Bioinformatics Reveals Novel Molecular Mechanisms and Therapeutic Targets in Acute Myeloid Leukaemia. *Journal of cellular and molecular medicine*, 30(1), e71007.

Saghir H, et al. (2026) Dynamic assessment of proliferation to guide response-adapted therapy in the setting of neoadjuvant chemotherapy in ER+/HER2- breast cancer. *Translational oncology*, 63, 102597.

Liharska LE, et al. (2026) A study of gene expression in the living human brain. *Molecular psychiatry*, 31(1), 137.

Martins R, et al. (2026) Homeostatic control of energy metabolism by monocyte-derived macrophages. *The EMBO journal*, 45(1), 106.

Chow Z, et al. (2026) Colon cancer in Appalachian Kentucky: Unique genetic, microbiome and obesity findings in a cohort comparison. *HGG advances*, 7(1), 100527.

Bianchi N, et al. (2026) FCRL3 is an immunoregulatory receptor that restrains the activation of human memory T lymphocytes. *The Journal of experimental medicine*, 223(1).

Gilani A, et al. (2026) Secretory kinase FAM20C triggers adipocyte dysfunction, inciting insulin resistance and inflammation in obesity. *The Journal of clinical investigation*, 136(1).

Raimondo MG, et al. (2026) Skin-derived myeloid precursors and joint-resident fibroblasts spread psoriatic disease from skin to joints. *Nature immunology*, 27(1), 35.

Liu S, et al. (2026) Clinical significance and molecular mechanism of CDX2-CBX3 regulatory axis in lung adenocarcinoma progression. *Translational oncology*, 63, 102590.

Mokhtari A, et al. (2025) Using multiomic integration to improve blood biomarkers of major depressive disorder: a case-control study. *EBioMedicine*, 113, 105569.

Petroulia S, et al. (2025) Uncovering Novel lncRNAs Linked to Melanoma Growth and Migration with CRISPR Inhibition Screening. *Cancer research communications*, 5(7), 1102.