

Resource Summary Report

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GeneHancer

RRID:SCR_023953

Type: Tool

Proper Citation

GeneHancer (RRID:SCR_023953)

Resource Information

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

Proper Citation: GeneHancer (RRID:SCR_023953)

Description: Database of human regulatory elements like enhancers and promoters, and their inferred target genes which is embedded in GeneCards, human gene compendium. Associations between regulatory elements and target genes were based on multiple sources of linking molecular data, along with distance.

Resource Type: data or information resource, database

Defining Citation: [PMID:28605766](#)

Keywords: human regulatory elements, enhancers, promoters, inferred target genes, GeneCards, human gene compendium,

Funding: Crown Human Genome Center at the Weizmann Institute of Science ; LifeMap Sciences Inc.

Availability: Free, Freely available

Resource Name: GeneHancer

Resource ID: SCR_023953

Alternate URLs: <https://genecards.weizmann.ac.il/geneloc/index.shtml>

Record Creation Time: 20230824T050210+0000

Record Last Update: 20260821T194245+0000

Ratings and Alerts

No rating or validation information has been found for GeneHancer.

No alerts have been found for GeneHancer.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5126 mentions in open access literature.

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

Sato K, et al. (2026) Aberrant Hippo-YAP/TEAD Signaling Drives Malignant Transcriptional Reprogramming in External Auditory Canal Squamous Cell Carcinoma. Cancer research communications, 6(2), 260.

Zhao Z, et al. (2026) Zinc Alleviates Oxidative Stress Injury of the Testis Induced by Zearalenone through Sirt3-Foxo3 Pathway in Mice. Biological trace element research, 204(2), 769.

Liu J, et al. (2026) Dietary supplementation with Eucommia ulmoides improves production performance, egg quality, meat characteristics and physiological status of aging laying hens. Poultry science, 105(1), 106156.

Ren QD, et al. (2026) Pomegranate peel extract alleviates diabetic retinopathy by suppressing the PI3K/AKT/HIF-1 α /VEGF pathway and gut microbiota modulation. Journal of advanced research, 85, 137.

Li K, et al. (2026) Mapping the Non-Canonical Splicing Variants: Decrypting the Hidden Genetic Architecture of Idiopathic Male Infertility. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(9), e15512.

Yan L, et al. (2026) Network Pharmacology and Single-Cell Transcriptomic Investigation of Molecular Mechanisms Underlying Erigeron breviscapus Treatment in Acute Myocardial Infarction. International journal of genomics, 2026, 7715750.

Yin JL, et al. (2026) Isoviolanthin suppresses IL-1 β -induced inflammatory and catabolic responses in chondrocytes. Frontiers in pharmacology, 17, 1809512.

Liu P, et al. (2026) Network pharmacology and in vitro experiments reveal the autophagy mechanism of Yanggan-Yishui granules in improving hypertensive renal injury. Archives of medical science : AMS, 22(1), 387.

Yuan Z, et al. (2026) UPLC-Q-Exactive MS-based metabolomics integrated with species distribution modeling and AI-driven target prediction: Identifying geographical markers and functional mechanisms of Chaenomeles speciosa fruits. Food chemistry: X, 36, 103926.

Liu Z, et al. (2026) Investigation of the active compounds and pharmacological mechanisms of Qufengxuanfei decoction in the treatment of chronic cough. *Frontiers in medicine*, 13, 1748916.

Xiao SS, et al. (2026) Protective Effects of Leonurine on Alcoholic Liver Injury Through Modulation of Oxidative Stress and JAK2-STAT3 Signaling. *Current issues in molecular biology*, 48(4).

Guo Z, et al. (2026) Elucidating the anti-colorectal cancer mechanism of *Physalis Calyx seu Fructus* extract via mass spectrometry-molecular networking and bioinformatics. *Scientific reports*, 16(1).

Zhang F, et al. (2026) Inhibition Mechanism, Multi-Target Regulation, and Protective Effects of Camel Casein ACE-Inhibitory Peptide on HUVECs Cells. *Nutrients*, 18(9).

Su H, et al. (2026) CVB-D attenuates experimental diabetic cardiomyopathy by alleviating mitochondrial dysfunction via the JAK1-STAT1 signaling axis in vivo and in vitro. *Chinese medicine*, 21(1).

Du Y, et al. (2026) Ebracteolata cpd B causes ferroptosis and inhibits progression of lung adenocarcinoma. *Frontiers in pharmacology*, 17, 1706564.

Wu Z, et al. (2026) Nutritional properties of extracellular vesicle-like particles from *Sophora flavescens* and *Periplaneta americana* with effects on streptozotocin-induced diabetic wound healing in rats. *Frontiers in nutrition*, 13, 1807919.

Zhu X, et al. (2026) Integrating network toxicology, machine learning, and single-cell sequencing to reveal the FASN-mediated role of phenolic endocrine disruptors in water in promoting prostate cancer. *PloS one*, 21(6), e0350638.

Liu Y, et al. (2026) Causal association and molecular mechanisms of periodontal disease and muscle wasting and atrophy: Mendelian randomization and bioinformatics analysis. *Frontiers in genetics*, 17, 1810047.

Chen Y, et al. (2026) An anoikis-related gene signature predicts prognosis and immunotherapy response, and identifies CCAR2 as a therapeutic target in triple-negative breast cancer. *Frontiers in immunology*, 17, 1808490.

Yao J, et al. (2026) Deciphering the Anti-LUAD Mechanism of 4'-Demethyl-epipodophyllotoxin (4'-DMEP) via Machine Learning-Driven Target Identification and In Vitro Validation. *ACS omega*, 11(15), 22983.