# Resource Summary Report

Generated by dkNET on May 21, 2025

## GeneCards

RRID:SCR_002773
Type: Tool

### Proper Citation

GeneCards (RRID:SCR_002773)

### Resource Information

**URL:** http://genecards.org

**Proper Citation:** GeneCards (RRID:SCR_002773)

**Description:** Database of human genes that provides concise genomic, proteomic, transcriptomic, genetic and functional information on all known and predicted human genes. Information featured in GeneCards includes orthologies, disease relationships, mutations and SNPs, gene expression, gene function, pathways, protein-protein interactions, related drugs and compounds and direct links to cutting edge research reagents and tools such as antibodies, recombinant proteins, clones, expression assays and RNAi reagents.

**Abbreviations:** GeneCards

**Synonyms:** GeneCards - The Human Gene Compendium

**Resource Type:** data or information resource, database

**Defining Citation:** PMID:20689021

**Keywords:** genome, human gene, genome, gene, genomic, proteomic, transcriptomic, genetic, function, ortholog, disease, mutation, single nucleotide polymorphism, gene expression, gene function, pathway, protein-protein interaction, drug, compound, reagent, antibody, recombinant protein, clone, expression assay, rnai reagent, FASEB list

**Funding:**

**Availability:** Acknowledgement requested, Free for academic non-profit institutions, Commercial license required for others

**Resource Name:** GeneCards

**Resource ID:** SCR_002773

**Alternate IDs:** nif-0000-02879, OMICS_01652

**Alternate URLs:** http://bioinfo.weizmann.ac.il/genecards/

**Record Creation Time:** 20220129T080215+0000

**Record Last Update:** 20250521T060903+0000

## Ratings and Alerts

No rating or validation information has been found for GeneCards.

No alerts have been found for GeneCards.

## Data and Source Information

**Source:** SciCrunch Registry

## Usage and Citation Metrics

We found 5041 mentions in open access literature.

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

Zou Y, et al. (2025) Sonic hedgehog restrains the ubiquitin-dependent degradation of SP1 to inhibit neuronal/glial senescence associated phenotypes in chemotherapy-induced peripheral neuropathy via the TRIM25-CXCL13 axis. Journal of advanced research, 68, 387.

Yan K, et al. (2025) Using network pharmacology and molecular docking technology, proteomics and experiments were used to verify the effect of Yigu decoction (YGD) on the expression of key genes in osteoporotic mice. Annals of medicine, 57(1), 2449225.

Zhang L, et al. (2025) The Therapeutic Mechanisms of Huayu Quban Capsule in Treating Acne Vulgaris Are Uncovered Through Network Pharmacology and Molecular Docking. Journal of cosmetic dermatology, 24(1), e16632.

Yang Z, et al. (2025) Exploring the Anti-PANoptosis Mechanism of Dachaihu Decoction Against Sepsis-Induced Acute Lung Injury: Network Pharmacology, Bioinformatics, and Experimental Validation. Drug design, development and therapy, 19, 349.

Zhuang Y, et al. (2025) Osteosarcoma biomarker analysis and drug targeting prediction based on pyroptosis-related genes. Medicine, 104(3), e40240.

Zhu W, et al. (2025) Analyzing gene-based apoptotic biomarkers in insomnia using bioinformatics. Medicine, 104(3), e40965.

Zhang H, et al. (2025) Microglial Nrf2-mediated lipid and iron metabolism reprogramming promotes remyelination during white matter ischemia. Redox biology, 79, 103473.

Zhu D, et al. (2025) Therapeutic potential of targeting the IRF2/POSTN/Notch1 axis in nucleus pulposus cells for intervertebral disc degeneration. Journal of neuroinflammation, 22(1), 13.

Bai HY, et al. (2025) Development of a Novel Prognostic Model for Lung Adenocarcinoma Utilizing Pyroptosis-Associated LncRNAs. Analytical cellular pathology (Amsterdam), 2025, 4488139.

He H, et al. (2025) Nucleotide metabolism-associated drug resistance gene NDUFA4L2 promotes colon cancer progression and 5-FU resistance. Scientific reports, 15(1), 570.

Jiang S, et al. (2025) Metabolic profiles and potential antioxidant mechanisms of hawk tea. Scientific reports, 15(1), 3600.

Konieczny MJ, et al. (2025) The genomic architecture of circulating cytokine levels points to drug targets for immune-related diseases. Communications biology, 8(1), 34.

Chen W, et al. (2025) Validation and the role of PDK4 relevant to ferroptosis in degenerative lumbar disc disease. Journal of orthopaedic surgery and research, 20(1), 30.

Zhao Q, et al. (2025) TRIAGE: an R package for regulatory gene analysis. Briefings in bioinformatics, 26(1).

Jeong M, et al. (2025) An Investigation of the Anticancer Mechanism of Caesalpinia sappan L. Extract Against Colorectal Cancer by Integrating a Network Pharmacological Analysis and Experimental Validation. Plants (Basel, Switzerland), 14(2).

Zhang H, et al. (2025) Atractylenolide I prevents acute liver failure in mouse by regulating M1 macrophage polarization. Scientific reports, 15(1), 4015.

Xu J, et al. (2025) Screening of Anti-Hair Loss Plant Raw Materials Based on Reverse Network Pharmacology and Experimental Validation. Current issues in molecular biology, 47(1).

Haskell A, et al. (2025) Antisense mediated blockade of Dickkopf 1 attenuates tumor survival, metastases and bone damage in experimental osteosarcoma. Scientific reports, 15(1), 1878.

Luan Y, et al. (2025) The systematic analysis of genes related to butyrate metabolism

suggests that CDKN3 could serve as a promising therapeutic target for lung adenocarcinoma treatment. BMC cancer, 25(1), 69.

Zhang J, et al. (2025) Fracture-healing effects of Rhizoma Musae ethanolic extract: An integrated study using UHPLC-Q-Exactive-MS/MS, network pharmacology, and molecular docking. PloS one, 20(1), e0313743.