

# Resource Summary Report

Generated by T1D on Sep 5, 2026

## Gene Ontology

RRID:SCR\_002811

Type: Tool

### Proper Citation

Gene Ontology (RRID:SCR\_002811)

### Resource Information

**URL:** <http://www.geneontology.org/>

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**Description:** Computable knowledge regarding functions of genes and gene products. GO resources include biomedical ontologies that cover molecular domains of all life forms as well as extensive compilations of gene product annotations to these ontologies that provide largely species-neutral, comprehensive statements about what gene products do. Used to standardize representation of gene and gene product attributes across species and databases.

**Abbreviations:** GO

**Synonyms:** the Gene Ontology, GO, Gene Ontology Resource, Gene Ontology

**Resource Type:** consortium, data or information resource, knowledge environment resource, organization portal, portal, project portal

**Defining Citation:** [PMID:23161678](#), [PMID:10802651](#)

**Keywords:** gene, product, annotation, molecular, function, cellular, biological, role, database, query, obo, gold standard, bio.tools, FASEB list

**Funding:** European Union QLRI-CT-2001-00015;  
European Union QLRI-CT-2001-0098;  
NHGRI P41 HG002273

**Availability:** Free, Freely available, Available for download

**Resource Name:** Gene Ontology

**Resource ID:** SCR\_002811

**Alternate IDs:** biotools:go, OMICS\_02278, nif-0000-02915

**Alternate URLs:** <http://bioportal.bioontology.org/ontologies/GO>, <https://bio.tools/go>

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

**Record Last Update:** 20260903T234546+0000

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## Ratings and Alerts

No rating or validation information has been found for Gene Ontology.

No alerts have been found for Gene Ontology.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 12993 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [T1D](#).

Tao Y, et al. (2026) TENT5A Maintains MYC mRNA Stability to Enhance Osteosarcoma Stemness. Cancer research, 86(9), 2161.

Bloomfield M, et al. (2026) Cell and Nuclear Size Is Associated with Chromosomal Instability and Tumorigenicity in Cancer Cells That Undergo Whole Genome Doubling. Cancer research, 86(9), 2126.

Abd El-Salam M, et al. (2026) Synergistic effects through targeting the PI3K and IGFR pathways in treating lung cancer carrying activation alterations along the PI3K pathway. Translational oncology, 67, 102753.

Bakhmet EI, et al. (2026) PCBP1 orchestrates amino acid metabolism burst during the naïve-to-primed pluripotency transition. Stem cell reports, 21(7), 102950.

Adhikary U, et al. (2026) Cancer Susceptibility to Stapled Oncolytic Peptides Is Dictated by Membrane Cholesterol and Inflammatory Signaling. Cancer research, 86(11), 2810.

de Blas A, et al. (2026) Enhancing Proteasome Activity in T Cells Alleviates Exhaustion and Improves Antitumor Immunity. Cancer research, 86(12), 2896.

Reavis HD, et al. (2026) Alprazolam Reduces Inflammatory Cytokine Production in Pancreatic Cancer-Associated Fibroblasts. Cancer research communications, 6(5), 1048.

Pasbola K, et al. (2026) Transcriptome profiling reveals the role of XIST/miR-335-5p regulatory axis as a crucial mediator of chemoresistance in esophageal cancer by influencing EMT and Ferroptosis. Functional & integrative genomics, 26(1).

Yekedüz E, et al. (2026) Integrative Clinical and Molecular Evaluation of Renal Cell Carcinoma with Merlin Protein Deficiency and Biallelic Loss of NF2. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(6), 1169.

He G, et al. (2026) Vesicle trafficking 1 in breast cancer tissue and serum orchestrates metastatic progression and an immunosuppressive microenvironment. *International immunopharmacology*, 178, 116564.

Roger E, et al. (2026) ATM Deficiency Induces TGF $\beta$ -Mediated Stromal Programming in Pancreatic Cancer. *Cancer research*, 86(14), 3412.

Jiang X, et al. (2026) USP20-Driven Cholesterol Metabolism Links Inflammatory Signaling to Malignancy and Stromal Coevolution in Pancreatic Cancer. *Cancer research*, 86(3), 712.

Jiang YY, et al. (2026) Ze-qi Decoction Inhibits Neutrophil Extracellular Trap Formation to Suppress the Progression and Metastasis of Non-Small Cell Lung Cancer. *Integrative cancer therapies*, 25, 15347354261420750.

Do KV, et al. (2026) Molecular remodeling of cancer-associated fibroblasts in breast cancer patients receiving anti-PD-1 immunotherapy. *Frontiers in oncology*, 16, 1754311.

Bai G, et al. (2026) LARS promotes osteosarcoma proliferation through leucine-dependent PRIM2 translation and DNA replication activation. *Journal of experimental & clinical cancer research : CR*, 45(1).

Belanger K, et al. (2026) Cancer-Associated Fibroblasts Promote Epithelial-Mesenchymal Transition and Classical to Basal Subtype Shift in Pancreatic Cancer. *Cancer research*, 86(14), 3604.

Liu A, et al. (2026) Soluble Uric Acid Drives CD8<sup>+</sup> T-cell Exhaustion by Inducing KSR1-Mediated MAPK Hyperactivation. *Cancer research*, 86(14), 3459.

Xie T, et al. (2026) Region-Resolved Integrative Multi-Omic Characterization Reveals Diverse Tumor and Microenvironment Features of Pituitary Neuroendocrine Tumors. *Molecular & cellular proteomics : MCP*, 25(6), 101583.

Chen CY, et al. (2026) Transcriptome-guided development of a fibrosis-reversal compound reduces skin scarring and allows regeneration via mitochondrial uncoupling. *Cell reports. Medicine*, 7(5), 102821.

Altendorf L, et al. (2026) Molecular changes during AT/RT progression associated with epithelial-mesenchymal transition and extracellular matrix changes. *Acta neuropathologica*, 152(1).