

# Resource Summary Report

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## OriGene

RRID:SCR\_008985

Type: Tool

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### Proper Citation

OriGene (RRID:SCR\_008985)

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### Resource Information

**URL:** <http://www.origene.com/>

**Proper Citation:** OriGene (RRID:SCR\_008985)

**Description:** A research tool company focused on the creation of the largest commercial collection of full-length human cDNAs in a standard expression vector. The availability of the complete human genome sequence and the subsequent development of genome-based tools have enabled the identification of relevant drug targets through system biology approaches. OriGene's vision is to prepare comprehensive, genome wide research tools and technology platforms to enable scientists to study complete biological pathways, thus enabling a better understanding of disease mechanisms including cancer and stem cell research. OriGene Technologies uses high-throughput, genome wide approach to develop products for pharmaceutical, biotechnology, and academic research. Their flagship product is the cDNA clone collection, a searchable gene bank of over 30,000 human full-length TrueClone cDNA collection and over 25,000 TrueORF cDNA clones. From their TrueORF cDNA clones, they have developed the largest offering of full length human proteins expressed in mammalian cells, ideal for functional studies. Their TrueMAB project develops mouse monoclonal antibodies against protein antigens with the goal to develop protein assays for every human protein. They also offer complete molecular biology services from codon optimization, gene synthesis, protein expression and assay development. In addition, they offer unique gene expression products such as TissueScan cancer tissue qPCR arrays and tissue biorepository for biomarker discovery and validation.

**Abbreviations:** OriGene

**Synonyms:** OriGene Technologies Inc., OriGene Technologies

**Resource Type:** commercial organization

**Resource Name:** OriGene

**Resource ID:** SCR\_008985

**Alternate IDs:** nlx\_152424, SciEx\_9281

**Alternate URLs:** <https://www.scienceexchange.com/facilities/origene-technologies-inc>

**Record Creation Time:** 20220129T080250+0000

**Record Last Update:** 20260801T190408+0000

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## Ratings and Alerts

No rating or validation information has been found for OriGene.

No alerts have been found for OriGene.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 779 mentions in open access literature.

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

Bessa-Andr s C, et al. (2025) Silencing P2Y12 and P2Y13 receptors rehabilitates the ADP-induced P2Y1-mediated osteogenic commitment of post-menopausal mesenchymal stromal cells. Cell communication and signaling : CCS, 23(1), 353.

Ray P, et al. (2025) SMURF2 Facilitates GAP17 Isoform 1 Membrane Displacement to Promote Mutant p53-KRAS Oncogenic Synergy. Molecular cancer research : MCR, 23(6), 530.

Ibrahim NK, et al. (2025) SOD2 is a regulator of proteasomal degradation promoting an adaptive cellular starvation response. Cell reports, 44(4), 115434.

Kang H, et al. (2025) Optically tunable catalytic cancer therapy using enzyme-like chiral plasmonic nanoparticles. Nature communications, 16(1), 2562.

Shiraishi A, et al. (2025) Evolutionary scenarios for the specific recognition of nonhomologous endogenous peptides by G protein-coupled receptor paralogs. The Journal of biological chemistry, 301(2), 108125.

Visal TH, et al. (2025) Accumulation of CD38 in Hybrid Epithelial/Mesenchymal Cells Promotes Immune Remodeling and Metastasis in Breast Cancer. Cancer research, 85(5), 894.

Wang Z, et al. (2025) The up-regulation of TGF- 1 by miRNA-132-3p/WT1 is involved in inducing leukemia cells to differentiate into macrophages. PloS one, 20(5), e0306150.

- Smith NJ, et al. (2025) Differentiation signals induce APOBEC3A expression via GRHL3 in squamous epithelia and squamous cell carcinoma. *The EMBO journal*, 44(1), 1.
- Li Y, et al. (2025) PDGF-D Promotes Epithelial-Mesenchymal Transition of Glioma Cells Through the NF- $\kappa$ B/NOTCH1 Pathway. *Cancer medicine*, 14(12), e71002.
- Kozoriz A, et al. (2025) ZSCAN21 mediates the pathogenic transcriptional induction of  $\alpha$ -synuclein in cellular and animal models of Parkinson's disease. *Cell death & disease*, 16(1), 394.
- Zhang T, et al. (2025) Talrectinib promotes pyroptosis in colorectal carcinoma via SRC/AKT/mTOR axis inhibition. *Scientific reports*, 15(1), 18049.
- Lin Z, et al. (2025) NOX4 exacerbates Parkinson's disease pathology by promoting neuronal ferroptosis and neuroinflammation. *Neural regeneration research*, 20(7), 2038.
- Li Y, et al. (2025) PARP4 deficiency enhances sensitivity to ATM inhibitor by impairing DNA damage repair in melanoma. *Cell death discovery*, 11(1), 35.
- Nshanian M, et al. (2025) Short-chain fatty acid metabolites propionate and butyrate are unique epigenetic regulatory elements linking diet, metabolism and gene expression. *Nature metabolism*, 7(1), 196.
- Garcia GL, et al. (2025) Aged and BRCA-Mutated Stromal Cells Drive Epithelial Cell Transformation. *Cancer discovery*, 15(6), 1203.
- Wang KS, et al. (2025) C9ORF72 poly-PR disrupts expression of ALS/FTD-implicated STMN2 through SRSF7. *Acta neuropathologica communications*, 13(1), 67.
- He Y, et al. (2025) Keratin-72 restricts HIV-1 infection in resting CD4<sup>+</sup> T cells by sequestering capsids in intermediate filaments. *Nature communications*, 16(1), 2998.
- Rose K, et al. (2025) In situ cryo-ET visualization of mitochondrial depolarization and mitophagic engulfment. *bioRxiv : the preprint server for biology*.
- Petruzzelli R, et al. (2025) Prion protein promotes copper toxicity in Wilson disease. *Nature communications*, 16(1), 1468.
- Seo SH, et al. (2025) Toxoplasma GRA16 attenuates Tau hyperphosphorylation and enhances autophagy in thrombin-treated HT-22 hippocampal neuronal cells. *Scientific reports*, 15(1), 17412.