

Resource Summary Report

Generated by [ASWG](#) on Aug 23, 2026

miRTar

RRID:SCR_010851

Type: Tool

Proper Citation

miRTar (RRID:SCR_010851)

Resource Information

URL: <http://mirtar.mbc.nctu.edu.tw/human/>

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Description: An integrated web server for identifying miRNA-target interactions in human. The tool enables biologists easily to identify the biological functions and regulatory relationships between a group of known/putative miRNAs and protein coding genes. It also provides perspective of information on the miRNA targets on alternatively spliced transcripts.

Abbreviations: miRTar

Synonyms: MicroRNA Target prediction

Resource Type: analysis service resource, data analysis service, data or information resource, data set, production service resource, service resource

Resource Name: miRTar

Resource ID: SCR_010851

Alternate IDs: OMICS_00410

Record Creation Time: 20220129T080301+0000

Record Last Update: 20260821T193927+0000

Ratings and Alerts

No rating or validation information has been found for miRTar.

No alerts have been found for miRTar.

Data and Source Information

Usage and Citation Metrics

We found 55 mentions in open access literature.

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

Chen YP, et al. (2026) miR-100-5p Enhances Cell Cycle-Mediated Chemoresistance by Modulating the CTDSPL/pRB/E2F1 Signaling Pathway in Oxaliplatin-Resistant Colorectal Cancer Cells. *Oncology research*, 34(4), 17.

Zhai Z, et al. (2025) Identification of CircRNAs that promote cancer and their potential contribution to hepatocellular carcinoma (HCC) pathogenesis. *Clinical and experimental medicine*, 25(1), 60.

Zhang X, et al. (2024) N6-methyladenosine-mediated LINC01087 promotes lung adenocarcinoma progression by regulating miR-514a-3p to upregulate centrosome protein 55. *The Kaohsiung journal of medical sciences*, 40(9), 801.

Calderón-Peláez MA, et al. (2024) Small extracellular vesicles from the human endothelial cell line EA.hy 926 exert a self-cell activation and modulate DENV-2 genome replication and infection in naïve endothelial cells. *PloS one*, 19(9), e0310735.

Causin RL, et al. (2024) EV-miRNAs from breast cancer patients of plasma as potential prognostic biomarkers of disease recurrence. *Heliyon*, 10(14), e33933.

Xylaki M, et al. (2023) miR-101a-3p Impairs Synaptic Plasticity and Contributes to Synucleinopathy. *Journal of Parkinson's disease*, 13(2), 179.

Valentino A, et al. (2023) Plasma Exosomal microRNA Profile Reveals miRNA 148a-3p Downregulation in the Mucosal-Dominant Variant of Pemphigus Vulgaris. *International journal of molecular sciences*, 24(14).

Ysrafil Y, et al. (2022) Chitosan nanoparticle-mediated effect of antimiRNA-324-5p on decreasing the ovarian cancer cell proliferation by regulation of GLI1 expression. *BiolImpacts : BI*, 12(3), 195.

Aktan Ç, et al. (2022) Functional roles of miR-625-5p and miR-874-3p in the progression of castration resistant prostate cancer. *Life sciences*, 301, 120603.

Ganapathy K, et al. (2022) Anticancer function of microRNA-30e is mediated by negative regulation of HELLPAR, a noncoding macroRNA, and genes involved in ubiquitination and cell cycle progression in prostate cancer. *Molecular oncology*, 16(16), 2936.

Zhou M, et al. (2021) Long non-coding RNA 01126 promotes periodontitis pathogenesis of human periodontal ligament cells via miR-518a-5p/HIF-1 α /MAPK pathway. *Cell proliferation*, 54(1), e12957.

Meryet-Figuire M, et al. (2021) Network-Based Integration of Multi-Omics Data Identifies the Determinants of miR-491-5p Effects. *Cancers*, 13(16).

Lanjanian H, et al. (2021) High-throughput analysis of the interactions between viral proteins and host cell RNAs. *Computers in biology and medicine*, 135, 104611.

Mohamadzade Z, et al. (2021) Cell specific tumor suppressor effect of Hsa-miR-1226-3p through downregulation of HER2, PIK3R2, and AKT1 genes. *The international journal of biochemistry & cell biology*, 134, 105965.

Forouzanfar M, et al. (2021) Increased expression of MUSASHI1 in epithelial breast cancer cells is due to down regulation of miR-125b. *BMC molecular and cell biology*, 22(1), 10.

Manian M, et al. (2021) An Integrated Bioinformatics Analysis of the Potential Regulatory Effects of miR-21 on T-cell Related Target Genes in Multiple Sclerosis. *Avicenna journal of medical biotechnology*, 13(3), 149.

Li X, et al. (2021) miR-15a-3p Protects Against Isoniazid-Induced Liver Injury via Suppressing N-Acetyltransferase 2 Expression. *Frontiers in molecular biosciences*, 8, 752072.

Zhou X, et al. (2021) Upregulation of microRNA-140-3p mediates dachshund family transcription factor 1 expression in immunoglobulin A nephropathy through cell cycle-dependent mechanisms. *Molecular medicine reports*, 23(2).

Chaudhuri T, et al. (2021) Identification of 3'-UTR single nucleotide variants and prediction of select protein imbalance in mesial temporal lobe epilepsy patients. *PloS one*, 16(6), e0252475.

Urh K, et al. (2021) Identification and Validation of New Cancer Stem Cell-Related Genes and Their Regulatory microRNAs in Colorectal Cancerogenesis. *Biomedicines*, 9(2).