

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

pCAGGS-Flag-hsDicer

RRID:Addgene_41584

Type: Plasmid

Proper Citation

RRID:Addgene_41584

Plasmid Information

URL: <http://www.addgene.org/41584>

Proper Citation: RRID:Addgene_41584

Insert Name: hsDicer

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:22546613](#)

Vector Backbone Description: Backbone Size:4790; Vector Backbone:pCAGGS; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pCAGGS-Flag-hsDicer

Relevant Mutation: None

Record Creation Time: 20220422T222215+0000

Record Last Update: 20260815T081446+0000

Ratings and Alerts

No rating or validation information has been found for pCAGGS-Flag-hsDicer.

No alerts have been found for pCAGGS-Flag-hsDicer.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Torrez RM, et al. (2023) Comparative Biochemical Studies of Disease-Associated Human Dicer Mutations on Processing of a Pre-microRNA and snoRNA. *Biochemistry*, 62(11), 1725.

Bidkhor HR, et al. (2023) Unraveling The Effects of DICER1 Overexpression on Immune-Related Genes Expression in Mesenchymal Stromal/Stem Cells: Insights for Therapeutic Applications. *Cell journal*, 25(10), 696.

Liu X, et al. (2022) HSP90 and Aha1 modulate microRNA maturation through promoting the folding of Dicer1. *Nucleic acids research*, 50(12), 6990.

Wang Q, et al. (2022) The Interaction of Influenza A NS1 and Cellular TRBP Protein Modulates the Function of RNA Interference Machinery. *Frontiers in microbiology*, 13, 859420.

Zhang Y, et al. (2021) Efficient Dicer processing of virus-derived double-stranded RNAs and its modulation by RIG-I-like receptor LGP2. *PLoS pathogens*, 17(8), e1009790.

Wang S, et al. (2021) MicroRNA-497 Reduction and Increase of Its Family Member MicroRNA-424 Lead to Dysregulation of Multiple Inflammation Related Genes in Synovial Fibroblasts With Rheumatoid Arthritis. *Frontiers in immunology*, 12, 619392.

Luo QJ, et al. (2021) RNA structure probing reveals the structural basis of Dicer binding and cleavage. *Nature communications*, 12(1), 3397.

Copeland J, et al. (2020) Post-transcriptional tuning of FGF signaling mediates neural crest induction. *Proceedings of the National Academy of Sciences of the United States of America*, 117(52), 33305.

Kretov DA, et al. (2020) Ago2-Dependent Processing Allows miR-451 to Evade the Global MicroRNA Turnover Elicited during Erythropoiesis. *Molecular cell*, 78(2), 317.

Yan H, et al. (2019) miRNA inhibition by proximity-enabled Dicer inactivation. *Methods (San Diego, Calif.)*, 167, 117.

Jiang C, et al. (2019) Abnormal Expression of DICER1 Leads to Dysregulation of Inflammatory Effectors in Human Synoviocytes. *Mediators of inflammation*, 2019, 6768504.

Nourse J, et al. (2018) Large-scale identification of functional microRNA targeting reveals cooperative regulation of the hemostatic system. *Journal of thrombosis and haemostasis : JTH*, 16(11), 2233.

Zhang M, et al. (2018) Dicer inactivation stimulates limb regeneration ability in *Xenopus laevis*. *Wound repair and regeneration : official publication of the Wound Healing Society [and] the European Tissue Repair Society*, 26(1), 46.

van der Veen AG, et al. (2018) The RIG-I-like receptor LGP2 inhibits Dicer-dependent processing of long double-stranded RNA and blocks RNA interference in mammalian cells. *The EMBO journal*, 37(4).

Yan H, et al. (2018) Design, synthesis and activity of light deactivatable microRNA inhibitor. *Bioorganic chemistry*, 80, 492.

Li Y, et al. (2016) Induction and suppression of antiviral RNA interference by influenza A virus in mammalian cells. *Nature microbiology*, 2, 16250.

Maillard PV, et al. (2016) Inactivation of the type I interferon pathway reveals long double-stranded RNA-mediated RNA interference in mammalian cells. *The EMBO journal*, 35(23), 2505.