

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

pFLAG/HA-DGCR8

RRID:Addgene_10921

Type: Plasmid

Proper Citation

RRID:Addgene_10921

Plasmid Information

URL: <http://www.addgene.org/10921>

Proper Citation: RRID:Addgene_10921

Insert Name: DGCR8

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:15589161](#)

Vector Backbone Description: Backbone Size:5283; Vector Backbone:N/A; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pFLAG/HA-DGCR8

Record Creation Time: 20220422T221530+0000

Record Last Update: 20260808T080415+0000

Ratings and Alerts

No rating or validation information has been found for pFLAG/HA-DGCR8.

No alerts have been found for pFLAG/HA-DGCR8.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Kong HE, et al. (2022) Identification of PSMB5 as a genetic modifier of fragile X-associated tremor/ataxia syndrome. *Proceedings of the National Academy of Sciences of the United States of America*, 119(22), e2118124119.

Liao GR, et al. (2021) The orf virus (ORFV) protein OV20.0 interacts with the microprocessor complex subunit DGCR8 to regulate miRNA biogenesis and ORFV infection. *FEBS letters*, 595(23), 2897.

Fang W, et al. (2020) MicroRNA Clustering Assists Processing of Suboptimal MicroRNA Hairpins through the Action of the ERH Protein. *Molecular cell*, 78(2), 289.

Loo TH, et al. (2019) The mammalian LINC complex component SUN1 regulates muscle regeneration by modulating drosha activity. *eLife*, 8.

Girvan HM, et al. (2016) Analysis of Heme Iron Coordination in DGCR8: The Heme-Binding Component of the Microprocessor Complex. *Biochemistry*, 55(36), 5073.

Liu Z, et al. (2015) Canonical MicroRNA Activity Facilitates but May Be Dispensable for Transcription Factor-Mediated Reprogramming. *Stem cell reports*, 5(6), 1119.

Roth BM, et al. (2013) Backbone ^1HN , ^{13}C , and ^{15}N resonance assignments of the tandem RNA-binding domains of human DGCR8. *Biomolecular NMR assignments*, 7(2), 183.

Qiao C, et al. (2012) Drosha mediates destabilization of Lin28 mRNA targets. *Cell cycle (Georgetown, Tex.)*, 11(19), 3590.

Pickering BF, et al. (2011) Nucleolin protein interacts with microprocessor complex to affect biogenesis of microRNAs 15a and 16. *The Journal of biological chemistry*, 286(51), 44095.

Cazalla D, et al. (2011) A primate herpesvirus uses the integrator complex to generate viral microRNAs. *Molecular cell*, 43(6), 982.