

Resource Summary Report

Generated by [RRID](#) on Aug 22, 2026

pIRESneo-FLAG/HA Ago4

RRID:Addgene_10824

Type: Plasmid

Proper Citation

RRID:Addgene_10824

Plasmid Information

URL: <http://www.addgene.org/10824>

Proper Citation: RRID:Addgene_10824

Insert Name: Argonaute 4

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:15260970](#)

Vector Backbone Description: Backbone Size:5310; Vector Backbone:pIRESneo;
Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: A small insertion in the 5'UTR should not affect the expressed peptide.

Plasmid Name: pIRESneo-FLAG/HA Ago4

Record Creation Time: 20220422T221525+0000

Record Last Update: 20260815T080118+0000

Ratings and Alerts

No rating or validation information has been found for pIRESneo-FLAG/HA Ago4.

No alerts have been found for pIRESneo-FLAG/HA Ago4.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Ohno SI, et al. (2022) Nuclear microRNAs release paused Pol II via the DDX21-CDK9 complex. *Cell reports*, 39(2), 110673.

Shin E, et al. (2020) An alternative miRISC targets a cancer-associated coding sequence mutation in FOXL2. *The EMBO journal*, 39(24), e104719.

Adiliaghdam F, et al. (2020) A Requirement for Argonaute 4 in Mammalian Antiviral Defense. *Cell reports*, 30(6), 1690.

Sheu-Gruttadauria J, et al. (2019) Structural Basis for Target-Directed MicroRNA Degradation. *Molecular cell*, 75(6), 1243.

Sun G, et al. (2018) Differences in silencing of mismatched targets by sliced versus diced siRNAs. *Nucleic acids research*, 46(13), 6806.

Harwig A, et al. (2017) Analysis of Ago2-miRNA maturation and loading into Ago2. *PloS one*, 12(8), e0183269.

Yi T, et al. (2015) eIF1A augments Ago2-mediated Dicer-independent miRNA biogenesis and RNA interference. *Nature communications*, 6, 7194.

Valdmanis PN, et al. (2012) Expression determinants of mammalian argonaute proteins in mediating gene silencing. *Nucleic acids research*, 40(8), 3704.

Janas MM, et al. (2012) Alternative RISC assembly: binding and repression of microRNA-mRNA duplexes by human Ago proteins. *RNA (New York, N.Y.)*, 18(11), 2041.

Chu Y, et al. (2010) Involvement of argonaute proteins in gene silencing and activation by RNAs complementary to a non-coding transcript at the progesterone receptor promoter. *Nucleic acids research*, 38(21), 7736.

Grimm D, et al. (2010) Argonaute proteins are key determinants of RNAi efficacy, toxicity, and persistence in the adult mouse liver. *The Journal of clinical investigation*, 120(9), 3106.