

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pLH-sgRNA-Sirius-8XMS2

RRID:Addgene_121939

Type: Plasmid

Proper Citation

RRID:Addgene_121939

Plasmid Information

URL: <http://www.addgene.org/121939>

Proper Citation: RRID:Addgene_121939

Insert Name: sgRNA-Sirius-8XMS2

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:30377374](#)

Vector Backbone Description: Backbone Size:8171; Vector Backbone:pLKO.1; Vector Types:Mammalian Expression, Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Plasmid Name: pLH-sgRNA-Sirius-8XMS2

Record Creation Time: 20220422T221638+0000

Record Last Update: 20260725T073648+0000

Ratings and Alerts

No rating or validation information has been found for pLH-sgRNA-Sirius-8XMS2.

No alerts have been found for pLH-sgRNA-Sirius-8XMS2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Viushkov VS, et al. (2024) A Comparison of Two Versions of the CRISPR-Sirius System for the Live-Cell Visualization of the Borders of Topologically Associating Domains. *Cells*, 13(17).

Shim AR, et al. (2024) Formamide denaturation of double-stranded DNA for fluorescence in situ hybridization (FISH) distorts nanoscale chromatin structure. *PloS one*, 19(5), e0301000.

Xiong X, et al. (2023) Imaging Method Using CRISPR/dCas9 and Engineered gRNA Scaffolds Can Perturb Replication Timing at the HSPA1 Locus. *ACS synthetic biology*, 12(5), 1424.

Tasan I, et al. (2020) Two-Color Imaging of Nonrepetitive Endogenous Loci in Human Cells. *ACS synthetic biology*, 9(9), 2502.