

Resource Summary Report

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

lentiGuide-Crimson

RRID:Addgene_70683

Type: Plasmid

Proper Citation

RRID:Addgene_70683

Plasmid Information

URL: <http://www.addgene.org/70683>

Proper Citation: RRID:Addgene_70683

Insert Name: S. pyogenes sgRNA cassette

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:26375006](#)

Vector Backbone Description: Backbone Size:9482; Vector Backbone:Custom; Vector Types:Mammalian Expression, Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Comments: Cloned in Crimson Reporter in place of PURO reporter into lentiGuide-Puro. Improved vectors and genome-wide libraries for CRISPR screening. Sanjana NE, Shalem O, Zhang F. Nat Methods. 2014 Aug;11(8):783-4. doi: 10.1038/nmeth.3047. 10.1038/nmeth.3047 PubMed 25075903 Canver MC, Smith EC, Sher F, Pinello L, Sanjana NE, Shalem O, Chen DD, Schupp PG, Vinjamur DS, Garcia SP, Luc S, Kurita R, Nakamura Y, Fujiwara Y, Maeda T, Yuan G, Zhang F, Orkin SH, Bauer DE. BCL11A enhancer dissection by Cas9-mediated in situ saturating mutagenesis. Nature. 2015 September 16; in press; doi:10.1038/nature15521.

Plasmid Name: lentiGuide-Crimson

Record Creation Time: 20220422T222436+0000

Record Last Update: 20260808T082051+0000

Ratings and Alerts

No rating or validation information has been found for lentiGuide-Crimson.

No alerts have been found for lentiGuide-Crimson.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Lewis AC, et al. (2026) Inhibition of heme biosynthesis triggers cuproptosis in acute myeloid leukemia. *Cell*, 189(1), 215.

So J, et al. (2022) Inhibition of pyrimidine biosynthesis targets protein translation in acute myeloid leukemia. *EMBO molecular medicine*, 14(7), e15203.

Yamaguchi K, et al. (2022) Potential therapeutic targets discovery by transcriptome analysis of an in vitro human gastric signet ring carcinoma model. *Gastric cancer : official journal of the International Gastric Cancer Association and the Japanese Gastric Cancer Association*, 25(5), 862.

Sasaki K, et al. (2022) Genome-wide CRISPR-Cas9 screen identifies rationally designed combination therapies for CRLF2-rearranged Ph-like ALL. *Blood*, 139(5), 748.

Chan KL, et al. (2022) Inhibition of the CtBP complex and FBXO11 enhances MHC class II expression and anti-cancer immune responses. *Cancer cell*, 40(10), 1190.

Ghasemi R, et al. (2021) Contribution of CTCF binding to transcriptional activity at the HOXA locus in NPM1-mutant AML cells. *Leukemia*, 35(2), 404.

Kelly MJ, et al. (2019) Bcor loss perturbs myeloid differentiation and promotes leukaemogenesis. *Nature communications*, 10(1), 1347.

Freeman AJ, et al. (2019) Natural Killer Cells Suppress T Cell-Associated Tumor Immune Evasion. *Cell reports*, 28(11), 2784.