

Resource Summary Report

Generated by [RRID](#) on Aug 26, 2026

lentiGuide-Hygro-iRFP670

RRID:Addgene_99377

Type: Plasmid

Proper Citation

RRID:Addgene_99377

Plasmid Information

URL: <http://www.addgene.org/99377>

Proper Citation: RRID:Addgene_99377

Insert Name: S. pyogenes sgRNA cassette

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:28757163](#)

Vector Backbone Description: Backbone Size:9465; Vector Backbone:lentiGuide (plasmid #52963); Vector Types:Mammalian Expression, Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Comments: Hygro sequence is from Addgene plasmid #61426 (generously shared by Feng Zhang Lab). "Genome-scale transcriptional activation by an engineered CRISPR-Cas9 complex.", Konermann et al.. 2014 iRFP670 sequence is codon-optimized for human (its original sequence is from Addgene plasmid #45453; generously shared by Vladislav Verkhusha Lab). "Near-infrared fluorescent proteins for multicolor in vivo imaging.", Shcherbakova et al.. 2013

Plasmid Name: lentiGuide-Hygro-iRFP670

Record Creation Time: 20220422T222634+0000

Record Last Update: 20260815T082245+0000

Ratings and Alerts

No rating or validation information has been found for lentiGuide-Hygro-iRFP670.

No alerts have been found for lentiGuide-Hygro-iRFP670.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Jin Y, et al. (2020) Effective restoration of dystrophin expression in iPSC Mdx-derived muscle progenitor cells using the CRISPR/Cas9 system and homology-directed repair technology. Computational and structural biotechnology journal, 18, 765.

Jin Y, et al. (2020) Using iRFP Genetic Labeling Technology to Track Tumorigenesis of Transplanted CRISPR/Cas9-Edited iPSC in Skeletal Muscle. Methods in molecular biology (Clifton, N.J.), 2126, 73.