Resource Summary Report

Generated by RRID on Sep 2, 2026

Human Brunello kinome pooled library, guides 1-4 in lentiCRISPRv2 backbone

RRID:Addgene_75314
Type: Plasmid

Proper Citation

RRID:Addgene_75314

Plasmid Information

URL: http://www.addgene.org/75314

Proper Citation: RRID:Addgene_75314

Insert Name: 3,052 unique sgRNAs targeting 763 human kinase genes along with 100 non-targeting controls

Bacterial Resistance: Ampicillin

Defining Citation: PMID:26780180

Vector Backbone Description: Vector Backbone:lentiCRISPRv2; Vector Types:Mammalian Expression, Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Plasmid Name: Human Brunello kinome pooled library, guides 1-4 in lentiCRISPRv2 backbone

Record Creation Time: 20220422T222457+0000

Record Last Update: 20260902T050136+0000

Ratings and Alerts

No rating or validation information has been found for Human Brunello kinome pooled library, guides 1-4 in lentiCRISPRv2 backbone.

No alerts have been found for Human Brunello kinome pooled library, guides 1-4 in lentiCRISPRv2 backbone.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Cao Y, et al. (2026) Targeting the ferritinophagy-lysosome axis as a therapeutic vulnerability in gastroenteropancreatic neuroendocrine tumors. Cell reports. Medicine, 7(4), 102695.

Lin YC, et al. (2026) CRISPR screening identifies TRIM27 as a destabilizer of the Smith-Magenis syndrome protein RAI1. Genetics, 233(3).

Hu M, et al. (2022) Integrated genome and tissue engineering enables screening of cancer vulnerabilities in physiologically relevant perfusable ex vivo cultures. Biomaterials, 280, 121276.

He MY, et al. (2021) Three-dimensional CRISPR screening reveals epigenetic interaction with anti-angiogenic therapy. Communications biology, 4(1), 878.

Yi P, et al. (2021) Applying CRISPR Screen in Diabetes Research. Diabetes, 70(9), 1962.

Xu D, et al. (2020) CRISPR Screening Identifies WEE1 as a Combination Target for Standard Chemotherapy in Malignant Pleural Mesothelioma. Molecular cancer therapeutics, 19(2), 661.

Yau EH, et al. (2018) Next-Generation Sequencing of Genome-Wide CRISPR Screens. Methods in molecular biology (Clifton, N.J.), 1712, 203.