

Resource Summary Report

Generated by [dkNET](#) on Aug 31, 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: 20260829T081020+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 [dkNET](#) .

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.