

Resource Summary Report

Generated by [RRID](#) on Aug 20, 2026

pSmart-Nm-sgRNA-BbsI

RRID:Addgene_49157

Type: Plasmid

Proper Citation

RRID:Addgene_49157

Plasmid Information

URL: <http://www.addgene.org/49157>

Proper Citation: RRID:Addgene_49157

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Marker:Lucigen; Backbone Size:1788; Vector Backbone:pSmart-Kan-HC; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Kanamycin

Comments: Use enzyme BbsI for cloning in the sgRNA

Plasmid Name: pSmart-Nm-sgRNA-BbsI

Record Creation Time: 20220422T222253+0000

Record Last Update: 20260815T081556+0000

Ratings and Alerts

No rating or validation information has been found for pSmart-Nm-sgRNA-BbsI.

No alerts have been found for pSmart-Nm-sgRNA-BbsI.

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 [RRID](#) .

Shi S, et al. (2024) Activating UCHL1 through the CRISPR activation system promotes cartilage differentiation mediated by HIF-1 α /SOX9. *Journal of cellular and molecular medicine*, 28(17), e70051.

Martinez-Ara M, et al. (2022) Systematic analysis of intrinsic enhancer-promoter compatibility in the mouse genome. *Molecular cell*, 82(13), 2519.

Nguyen NTK, et al. (2021) CRISPR activation of long non-coding RNA DANCER promotes bone regeneration. *Biomaterials*, 275, 120965.

van Arensbergen J, et al. (2017) Genome-wide mapping of autonomous promoter activity in human cells. *Nature biotechnology*, 35(2), 145.