

# 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 $\alpha$ /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 DANCR 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.