

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

KRAB-dCas9

RRID:Addgene_112195

Type: Plasmid

Proper Citation

RRID:Addgene_112195

Plasmid Information

URL: <http://www.addgene.org/112195>

Proper Citation: RRID:Addgene_112195

Insert Name: KRAB

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:28973434](#)

Vector Backbone Description: Backbone Marker:ThermoFisher; Backbone Size:5407; Vector Backbone:pcDNA3.3-TOPO; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Plasmid Name: KRAB-dCas9

Record Creation Time: 20220422T221546+0000

Record Last Update: 20260725T073516+0000

Ratings and Alerts

No rating or validation information has been found for KRAB-dCas9.

No alerts have been found for KRAB-dCas9.

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 [NIF](#) .

Su D, et al. (2025) Identification of a distal enhancer of Ucp1 essential for thermogenesis and mitochondrial function in brown fat. *Communications biology*, 8(1), 31.

Chen X, et al. (2024) Canonical androgen response element motifs are tumor suppressive regulatory elements in the prostate. *Nature communications*, 15(1), 10675.

O'Geen H, et al. (2022) Determinants of heritable gene silencing for KRAB-dCas9 + DNMT3 and Ezh2-dCas9 + DNMT3 hit-and-run epigenome editing. *Nucleic acids research*, 50(6), 3239.

O'Geen H, et al. (2019) Ezh2-dCas9 and KRAB-dCas9 enable engineering of epigenetic memory in a context-dependent manner. *Epigenetics & chromatin*, 12(1), 26.