

Resource Summary Report

Generated by [RRID](#) on Sep 1, 2026

pcDNA3-K9 histone methylation reporter

RRID:Addgene_22866

Type: Plasmid

Proper Citation

RRID:Addgene_22866

Plasmid Information

URL: <http://www.addgene.org/22866>

Proper Citation: RRID:Addgene_22866

Insert Name: K9 HMR

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:15137760](#)

Vector Backbone Description: Backbone Size:6000; Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pcDNA3-K9 histone methylation reporter

Record Creation Time: 20220422T222102+0000

Record Last Update: 20260902T044358+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3-K9 histone methylation reporter.

No alerts have been found for pcDNA3-K9 histone methylation reporter.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Sasaki K, et al. (2022) Visualization of the dynamic interaction between nucleosomal histone H3K9 tri-methylation and HP1 γ chromodomain in living cells. *Cell chemical biology*, 29(7), 1153.

Dutta P, et al. (2020) Unphosphorylated STAT3 in heterochromatin formation and tumor suppression in lung cancer. *BMC cancer*, 20(1), 145.

Loyola AC, et al. (2020) Streptonigrin at low concentration promotes heterochromatin formation. *Scientific reports*, 10(1), 3478.

Rosa F, et al. (2020) Quantitative determination of histone methylation via fluorescence resonance energy transfer (FRET) technology in immortalized bovine mammary alveolar epithelial cells supplemented with methionine. *PloS one*, 15(12), e0244135.

Zhang X, et al. (2016) Integrin $\alpha 4 \beta 1$ controls G9a activity that regulates epigenetic changes and nuclear properties required for lymphocyte migration. *Nucleic acids research*, 44(7), 3031.

Tan Y, et al. (2014) Matrix softness regulates plasticity of tumour-repopulating cells via H3K9 demethylation and Sox2 expression. *Nature communications*, 5, 4619.