

Resource Summary Report

Generated by [RRID](#) on Aug 25, 2026

pcDNA3.1(+) Flag-His-ATM kd

RRID:Addgene_31986

Type: Plasmid

Proper Citation

RRID:Addgene_31986

Plasmid Information

URL: <http://www.addgene.org/31986>

Proper Citation: RRID:Addgene_31986

Insert Name: ATM kd

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:9733515](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5428; Vector Backbone:pcDNA3.1; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Do not send out as a spot on paper, send out in liquid form.

Plasmid Name: pcDNA3.1(+) Flag-His-ATM kd

Relevant Mutation: 3'UTRf 9 nucl/D2870A N2875k. catalytically inactive.

Record Creation Time: 20220422T222139+0000

Record Last Update: 20260815T081337+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3.1(+) Flag-His-ATM kd.

No alerts have been found for pcDNA3.1(+) Flag-His-ATM kd.

Data and Source Information

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Li S, et al. (2024) Kaposi's sarcoma herpesvirus exploits the DNA damage response to circularize its genome. *Nucleic acids research*, 52(4), 1814.

Zhao H, et al. (2024) Distinct regulation of ATM signaling by DNA single-strand breaks and APE1. *Nature communications*, 15(1), 6517.

Banerjee D, et al. (2021) A non-canonical, interferon-independent signaling activity of cGAMP triggers DNA damage response signaling. *Nature communications*, 12(1), 6207.

Sarkar A, et al. (2021) Activation of ATM kinase by ROS generated during ionophore-induced mitophagy in human T and B cell malignancies. *Molecular and cellular biochemistry*, 476(1), 417.

Sarkar A, et al. (2021) Ataxia-telangiectasia mutated interacts with Parkin and induces mitophagy independent of kinase activity. Evidence from mantle cell lymphoma. *Haematologica*, 106(2), 495.

Gross KM, et al. (2019) Loss of Slug Compromises DNA Damage Repair and Accelerates Stem Cell Aging in Mammary Epithelium. *Cell reports*, 28(2), 394.

Chow HM, et al. (2019) ATM is activated by ATP depletion and modulates mitochondrial function through NRF1. *The Journal of cell biology*, 218(3), 909.

Salzman DW, et al. (2016) miR-34 activity is modulated through 5'-end phosphorylation in response to DNA damage. *Nature communications*, 7, 10954.

Mavuluri J, et al. (2016) Phosphorylation-Dependent Regulation of the DNA Damage Response of Adaptor Protein KIBRA in Cancer Cells. *Molecular and cellular biology*, 36(9), 1354.

Lai WL, et al. (2014) The tumor suppressor, TAX1BP2, is a novel substrate of ATM kinase. *Oncogene*, 33(45), 5303.

Kubota S, et al. (2014) Activation of the prereplication complex is blocked by mimosine through reactive oxygen species-activated ataxia telangiectasia mutated (ATM) protein without DNA damage. *The Journal of biological chemistry*, 289(9), 5730.

Unger K, et al. (2014) Integrative radiation systems biology. *Radiation oncology (London, England)*, 9, 21.

Lindenbergh-van der Plas M, et al. (2013) Identification of lethal microRNAs specific for head and neck cancer. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 19(20), 5647.