

Resource Summary Report

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

[hATMS1981A](#)

RRID:Addgene_32300

Type: Plasmid

Proper Citation

RRID:Addgene_32300

Plasmid Information

URL: <http://www.addgene.org/32300>

Proper Citation: RRID:Addgene_32300

Insert Name: ATM

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:12556884](#)

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

Plasmid Name: hATMS1981A

Relevant Mutation: S1981A

Record Creation Time: 20220422T222140+0000

Record Last Update: 20260815T081345+0000

Ratings and Alerts

No rating or validation information has been found for hATMS1981A.

No alerts have been found for hATMS1981A.

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](#) .

Wang G, et al. (2024) The DNA damage-independent ATM signalling maintains CBP/DOT1L axis in MLL rearranged acute myeloid leukaemia. *Oncogene*, 43(25), 1900.

Baughan SL, et al. (2022) Functional analysis of ATM variants in a high risk cohort provides insight into missing heritability. *Cancer genetics*, 264-265, 40.

Zhang J, et al. (2022) SERPINE2/PN-1 regulates the DNA damage response and radioresistance by activating ATM in lung cancer. *Cancer letters*, 524, 268.

Zhao J, et al. (2019) ATM Deficiency Accelerates DNA Damage, Telomere Erosion, and Premature T Cell Aging in HIV-Infected Individuals on Antiretroviral Therapy. *Frontiers in immunology*, 10, 2531.

Qian M, et al. (2018) Boosting ATM activity alleviates aging and extends lifespan in a mouse model of progeria. *eLife*, 7.

Zhao J, et al. (2018) Insufficiency of DNA repair enzyme ATM promotes naive CD4 T-cell loss in chronic hepatitis C virus infection. *Cell discovery*, 4, 16.