

Resource Summary Report

Generated by [dkNET](#) on Sep 3, 2026

Apple-53BP1trunc

RRID:Addgene_69531

Type: Plasmid

Proper Citation

RRID:Addgene_69531

Plasmid Information

URL: <http://www.addgene.org/69531>

Proper Citation: RRID:Addgene_69531

Insert Name: 53BP1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25984718](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:8003; Vector Backbone:pLVX; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Comments: Note: This construct contains amino acids 1220-1709 of 53BP1 followed by the short peptide VNDLDNSTG-STOP. This additional peptide does not affect reporter activity, and the plasmid functions as described in the associated publication.

Plasmid Name: Apple-53BP1trunc

Record Creation Time: 20220422T222430+0000

Record Last Update: 20260902T050021+0000

Ratings and Alerts

No rating or validation information has been found for Apple-53BP1trunc.

No alerts have been found for Apple-53BP1trunc.

Data and Source Information

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Begnini KR, et al. (2026) Temozolomide increases the generation of cell heterogeneity in ERK activity in glioma cells. *Journal of molecular medicine (Berlin, Germany)*, 104(1), 35.

da Rosa SA, et al. (2026) Morphofunctional Heterogeneity and Plasticity of Glioblastoma Cells Induced to Senescence by Temozolomide. *Aging cell*, 25(4), e70477.

Ghose R, et al. (2025) Mitochondria-derived nuclear ATP surge protects against confinement-induced proliferation defects. *Nature communications*, 16(1), 6613.

Oza VD, et al. (2025) Small Extracellular Vesicles From Radioresistant H3K27M-Pediatric Diffuse Midline Glioma Cells Modulate Tumor Phenotypes and Radiation Response. *Journal of extracellular vesicles*, 14(11), e70188.

Solomon AD, et al. (2025) γ -tubulin mediates DNA double-strand break repair. *Journal of cell science*, 138(6).

Julian L, et al. (2025) On-target toxicity limits the efficacy of CDK11 inhibition against cancers with 1p36 deletions. *bioRxiv : the preprint server for biology*.

Paul MW, et al. (2024) Distinct mobility patterns of BRCA2 molecules at DNA damage sites. *Nucleic acids research*, 52(14), 8332.

Di Giorgio E, et al. (2024) HDAC4 influences the DNA damage response and counteracts senescence by assembling with HDAC1/HDAC2 to control H2BK120 acetylation and homology-directed repair. *Nucleic acids research*, 52(14), 8218.

Buss JH, et al. (2023) The role of mitosis in generating fitness heterogeneity. *Journal of cell science*, 136(1).

Abd El-Hafeez AA, et al. (2023) Regulation of DNA damage response by trimeric G-proteins. *iScience*, 26(2), 105973.

Schlegel J, et al. (2022) Biosensor Cell-Fit-HD4D for correlation of single-cell fate and microscale energy deposition in complex ion beams. *STAR protocols*, 3(4), 101798.

Gemble S, et al. (2022) Genetic instability from a single S phase after whole-genome duplication. *Nature*, 604(7904), 146.

Segeren HA, et al. (2022) Oncogenic RAS sensitizes cells to drug-induced replication stress via transcriptional silencing of P53. *Oncogene*, 41(19), 2719.

Constantin D, et al. (2022) APOBEC3C, a nucleolar protein induced by genotoxins, is excluded from DNA damage sites. *The FEBS journal*, 289(3), 808.

Niklas M, et al. (2022) Biosensor for deconvolution of individual cell fate in response to ion beam irradiation. *Cell reports methods*, 2(2), 100169.

Weigelin B, et al. (2021) Cytotoxic T cells are able to efficiently eliminate cancer cells by additive cytotoxicity. *Nature communications*, 12(1), 5217.

Klomp JE, et al. (2021) CHK1 protects oncogenic KRAS-expressing cells from DNA damage and is a target for pancreatic cancer treatment. *Cell reports*, 37(9), 110060.

Koczor CA, et al. (2021) Temporal dynamics of base excision/single-strand break repair protein complex assembly/disassembly are modulated by the PARP/NAD⁺/SIRT6 axis. *Cell reports*, 37(5), 109917.

Gonzalez Rajal A, et al. (2021) A non-genetic, cell cycle-dependent mechanism of platinum resistance in lung adenocarcinoma. *eLife*, 10.

Segeren HA, et al. (2020) Excessive E2F Transcription in Single Cancer Cells Precludes Transient Cell-Cycle Exit after DNA Damage. *Cell reports*, 33(9), 108449.