

Resource Summary Report

Generated by [NIF](#) on Sep 8, 2026

mCherry-BP1-2 pLPC-Puro

RRID:Addgene_19835

Type: Plasmid

Proper Citation

RRID:Addgene_19835

Plasmid Information

URL: <http://www.addgene.org/19835>

Proper Citation: RRID:Addgene_19835

Insert Name: Fragment of p53-Binding Protein 1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18931659](#)

Vector Backbone Description: Backbone Marker:Scott Lowe; Backbone Size:5600; Vector Backbone:pLPC; Vector Types:Retroviral; Bacterial Resistance:Ampicillin

Plasmid Name: mCherry-BP1-2 pLPC-Puro

Relevant Mutation: Fragment of human 53BP1 aa 1220 - 1711

Record Creation Time: 20220422T222048+0000

Record Last Update: 20260905T075340+0000

Ratings and Alerts

No rating or validation information has been found for mCherry-BP1-2 pLPC-Puro.

No alerts have been found for mCherry-BP1-2 pLPC-Puro.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 25 mentions in open access literature.

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

He S, et al. (2024) DNA break induces rapid transcription repression mediated by proteasome-dependent RNAPII removal. *Cell reports*, 43(7), 114420.

Zong D, et al. (2023) Comprehensive mapping of cell fates in microsatellite unstable cancer cells supports dual targeting of WRN and ATR. *Genes & development*, 37(19-20), 913.

Zong D, et al. (2023) Comprehensive mapping of cell fates in microsatellite unstable cancer cells support dual targeting of WRN and ATR. *bioRxiv : the preprint server for biology*.

Huang J, et al. (2023) SLFN5-mediated chromatin dynamics sculpt higher-order DNA repair topology. *Molecular cell*, 83(7), 1043.

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

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.

Zou RS, et al. (2021) Cas9 deactivation with photocleavable guide RNAs. *Molecular cell*, 81(7), 1553.

Dos Santos Passos C, et al. (2021) Design of genetically encoded sensors to detect nucleosome ubiquitination in live cells. *The Journal of cell biology*, 220(4).

Shah P, et al. (2021) Nuclear Deformation Causes DNA Damage by Increasing Replication Stress. *Current biology : CB*, 31(4), 753.

Gentili M, et al. (2019) The N-Terminal Domain of cGAS Determines Preferential Association with Centromeric DNA and Innate Immune Activation in the Nucleus. *Cell reports*, 26(9), 2377.

Salvador Moreno N, et al. (2019) The nuclear structural protein NuMA is a negative regulator of 53BP1 in DNA double-strand break repair. *Nucleic acids research*, 47(6), 2703.

Dan VM, et al. (2018) *Streptomyces* sp metabolite(s) promotes Bax mediated intrinsic apoptosis and autophagy involving inhibition of mTOR pathway in cervical cancer cell lines. *Scientific reports*, 8(1), 2810.

Svobodová Kovaříková A, et al. (2018) H3K9me3 and H4K20me3 represent the epigenetic landscape for 53BP1 binding to DNA lesions. *Aging*, 10(10), 2585.

Bártová E, et al. (2018) Depletion of A-type lamins and Lap2 γ reduces 53BP1 accumulation at UV-induced DNA lesions and Lap2 γ protein is responsible for

compactness of irradiated chromatin. *Journal of cellular biochemistry*, 119(10), 8146.

Burke RT, et al. (2017) Inhibition of exportin-1 function results in rapid cell cycle-associated DNA damage in cancer cells. *Oncotarget*, 8(24), 39460.

Yamauchi M, et al. (2017) Regulation of pairing between broken DNA-containing chromatin regions by Ku80, DNA-PKcs, ATM, and 53BP1. *Scientific reports*, 7, 41812.

Ando K, et al. (2017) NPM1 directs PIDDosome-dependent caspase-2 activation in the nucleolus. *The Journal of cell biology*, 216(6), 1795.

Michellini F, et al. (2017) Damage-induced lncRNAs control the DNA damage response through interaction with DDRNAs at individual double-strand breaks. *Nature cell biology*, 19(12), 1400.

Legartová S, et al. (2016) Localized Movement and Levels of 53BP1 Protein Are Changed by γ -irradiation in PML Deficient Cells. *Journal of cellular biochemistry*, 117(11), 2583.

Liu J, et al. (2015) Nanoscale histone localization in live cells reveals reduced chromatin mobility in response to DNA damage. *Journal of cell science*, 128(3), 599.