Resource Summary Report

Generated by kravitz2 on Aug 9, 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: 20260808T081355+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 kravitz2 .

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 targe6ng 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.

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

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.

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

Michelini 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 ?-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.