Resource Summary Report

Generated by RRID on Aug 20, 2026

pcDNA5-FRT/TO-eGFP-53BP1

RRID:Addgene_60813
Type: Plasmid

Proper Citation

RRID:Addgene_60813

Plasmid Information

URL: http://www.addgene.org/60813

Proper Citation: RRID:Addgene_60813

Insert Name: 53BP1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: PMID:23760478

Vector Backbone Description: Backbone Size:5137; Vector Backbone:pcDNA5-FRT/T0-eGFP; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pcDNA5-FRT/TO-eGFP-53BP1

Record Creation Time: 20220422T222349+0000

Record Last Update: 20260815T081736+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA5-FRT/TO-eGFP-53BP1.

No alerts have been found for pcDNA5-FRT/TO-eGFP-53BP1.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 18 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Terraneo F, et al. (2026) The glycine-arginine-rich motif of 53BP1 modulates RNA interactions necessary for its liquid-liquid phase separation during DNA Damage Response. bioRxiv : the preprint server for biology.

Kim MA, et al. (2025) Tousled-like kinase loss confers PARP inhibitor resistance in BRCA1-mutated cancers by impeding non-homologous end joining repair. Molecular medicine (Cambridge, Mass.), 31(1), 18.

Viushkov VS, et al. (2025) The Influence of Cohesin on the Short-Scale Dynamics of Intact and Damaged Chromatin in Different Phases of the Cell Cycle. International journal of molecular sciences, 26(18).

Burigotto M, et al. (2023) PLK1 promotes the mitotic surveillance pathway by controlling cytosolic 53BP1 availability. EMBO reports, 24(12), e57234.

Mitrentsi I, et al. (2022) Heterochromatic repeat clustering imposes a physical barrier on homologous recombination to prevent chromosomal translocations. Molecular cell, 82(11), 2132.

Wang YH, et al. (2022) Rapid recruitment of p53 to DNA damage sites directs DNA repair choice and integrity. Proceedings of the National Academy of Sciences of the United States of America, 119(10), e2113233119.

Levone BR, et al. (2022) Laser microirradiation as a tool to investigate the role of liquid-liquid phase separation in DNA damage repair. STAR protocols, 3(1), 101146.

Uriarte M, et al. (2021) Starvation-induced proteasome assemblies in the nucleus link amino acid supply to apoptosis. Nature communications, 12(1), 6984.

Wang D, et al. (2021) ATM-phosphorylated SPOP contributes to 53BP1 exclusion from chromatin during DNA replication. Science advances, 7(25).

Gerakopoulos V, et al. (2020) Loss of polycystins suppresses deciliation via the activation of the centrosomal integrity pathway. Life science alliance, 3(9).

Luzhin AV, et al. (2020) Chromatin Trapping of Factors Involved in DNA Replication and Repair Underlies Heat-Induced Radio- and Chemosensitization. Cells, 9(6).

Lou J, et al. (2020) Spatiotemporal dynamics of 53BP1 dimer recruitment to a DNA double strand break. Nature communications, 11(1), 5776.

Perkail S, et al. (2020) BAP1 is a haploinsufficient tumor suppressor linking chronic pancreatitis to pancreatic cancer in mice. Nature communications, 11(1), 3018.

Ha GH, et al. (2019) Pellino1 regulates reversible ATM activation via NBS1 ubiquitination at DNA double-strand breaks. Nature communications, 10(1), 1577.

Binan L, et al. (2019) Opto-magnetic capture of individual cells based on visual phenotypes. eLife, 8.

Boyce B, et al. (2018) Novel millimeter-wave-based method for in situ cell isolation and other applications. Scientific reports, 8(1), 14755.

Tomida J, et al. (2018) FAM35A associates with REV7 and modulates DNA??damage responses of normal and BRCA1-defective cells. The EMBO journal, 37(12).

Liu Y, et al. (2017) TOPBP1Dpb11 plays a conserved role in homologous recombination DNA repair through the coordinated recruitment of 53BP1Rad9. The Journal of cell biology, 216(3), 623.