

Resource Summary Report

Generated by [RRID](#) on Aug 17, 2026

pcDNA5-FRT/T0-Flag-53BP1

RRID:Addgene_52507

Type: Plasmid

Proper Citation

RRID:Addgene_52507

Plasmid Information

URL: <http://www.addgene.org/52507>

Proper Citation: RRID:Addgene_52507

Insert Name: 53BP1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23333306](#)

Vector Backbone Description: Backbone Size:5198; Vector Backbone:pcDNA5 FRT/T0-Flag; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pcDNA5-FRT/T0-Flag-53BP1

Relevant Mutation: V128A and siRNA resistant sequence: ACGCGCTGACGACCCGCTT

Record Creation Time: 20220422T222308+0000

Record Last Update: 20260815T081629+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA5-FRT/T0-Flag-53BP1.

No alerts have been found for pcDNA5-FRT/T0-Flag-53BP1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Zhang J, et al. (2019) PTEN Methylation by NSD2 Controls Cellular Sensitivity to DNA Damage. *Cancer discovery*, 9(9), 1306.

Zhang T, et al. (2019) Induction Of XLF And 53BP1 Expression Is Associated With Temozolomide Resistance In Glioblastoma Cells. *OncoTargets and therapy*, 12, 10139.

Benitez A, et al. (2018) FANCA Promotes DNA Double-Strand Break Repair by Catalyzing Single-Strand Annealing and Strand Exchange. *Molecular cell*, 71(4), 621.

Bueno MTD, et al. (2018) Recruitment of lysine demethylase 2A to DNA double strand breaks and its interaction with 53BP1 ensures genome stability. *Oncotarget*, 9(22), 15915.