

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 9, 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: 20260808T081814+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 [PRECISE-TBI](#) .

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.