

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 10, 2026

pCMV-PARP1-3xFlag-WT

RRID:Addgene_111575

Type: Plasmid

Proper Citation

RRID:Addgene_111575

Plasmid Information

URL: <http://www.addgene.org/111575>

Proper Citation: RRID:Addgene_111575

Insert Name: PARP1

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:30013063](#)

Vector Backbone Description: Vector Backbone:CMV; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pCMV-PARP1-3xFlag-WT

Record Creation Time: 20220422T221543+0000

Record Last Update: 20260808T080440+0000

Ratings and Alerts

No rating or validation information has been found for pCMV-PARP1-3xFlag-WT.

No alerts have been found for pCMV-PARP1-3xFlag-WT.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Sarrain EJ, et al. (2026) PARP1 regulates the genomic ribonucleotide processing activity of TOP1 to prevent the formation of toxic TOP1-DNA adducts and the associated mutations. bioRxiv : the preprint server for biology.

Sun Y, et al. (2025) Flap endonuclease 1 repairs DNA-protein cross-links via ADP-ribosylation-dependent mechanisms. Science advances, 11(2), eads2919.

Zhu T, et al. (2025) FTO suppresses DNA repair by inhibiting PARP1. Nature communications, 16(1), 2925.

Breunig K, et al. (2025) SERBP1 interacts with PARP1 and is present in PARylation-dependent protein complexes regulating splicing, cell division, and ribosome biogenesis. eLife, 13.

Rageul J, et al. (2024) Poly(ADP-ribosyl)ation of TIMELESS limits DNA replication stress and promotes stalled fork protection. Cell reports, 43(3), 113845.

Pradhan S, et al. (2024) Chromatin remodeler BRG1 recruits huntingtin to repair DNA double-strand breaks in neurons. bioRxiv : the preprint server for biology.

Yu C, et al. (2023) Foxm1 haploinsufficiency drives clonal hematopoiesis and promotes a stress-related transition to hematologic malignancy in mice. The Journal of clinical investigation, 133(15).

Conceição CJF, et al. (2023) Advances in the expression and purification of human PARP1: A user-friendly protocol. Protein expression and purification, 211, 106336.

Yang S, et al. (2023) Fatty acid oxidation facilitates DNA double-strand break repair by promoting PARP1 acetylation. Cell death & disease, 14(7), 435.

Kim C, et al. (2023) PARP1 inhibitors induce pyroptosis via caspase 3-mediated gasdermin E cleavage. Biochemical and biophysical research communications, 646, 78.

Giansanti C, et al. (2022) MDM2 binds and ubiquitinates PARP1 to enhance DNA replication fork progression. Cell reports, 39(9), 110879.

Yang F, et al. (2021) SPINDOC binds PARP1 to facilitate PARylation. Nature communications, 12(1), 6362.

Sun Y, et al. (2021) PARylation prevents the proteasomal degradation of topoisomerase I DNA-protein crosslinks and induces their deubiquitylation. Nature communications, 12(1), 5010.

Kim C, et al. (2020) PARP1 inhibitors trigger innate immunity via PARP1 trapping-induced DNA damage response. eLife, 9.

Pecoraro A, et al. (2019) Ribosomal protein uL3 targets E2F1 and Cyclin D1 in cancer cell response to nucleolar stress. Scientific reports, 9(1), 15431.