

Resource Summary Report

Generated by [NIF](#) on Jul 30, 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: 20260725T073510+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 14 mentions in open access literature.

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

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).

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

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

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

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.