

# Resource Summary Report

Generated by [nidm-terms](#) on Aug 9, 2026

## pcDNA3.1 MCS-BirA(R118G)-HA

RRID:Addgene\_36047

Type: Plasmid

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### Proper Citation

RRID:Addgene\_36047

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### Plasmid Information

**URL:** <http://www.addgene.org/36047>

**Proper Citation:** RRID:Addgene\_36047

**Insert Name:** BirA(R118G)-HA

**Organism:** E. coli

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:22412018](#)

**Vector Backbone Description:** Backbone Marker:Invitrogen; Backbone Size:5333; Vector Backbone:pcDNA3.1; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

**Plasmid Name:** pcDNA3.1 MCS-BirA(R118G)-HA

**Relevant Mutation:** R118G (highly promiscuous form)

**Record Creation Time:** 20220422T222153+0000

**Record Last Update:** 20260808T081559+0000

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### Ratings and Alerts

No rating or validation information has been found for pcDNA3.1 MCS-BirA(R118G)-HA.

No alerts have been found for pcDNA3.1 MCS-BirA(R118G)-HA.

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### Data and Source Information

**Source:** [Addgene](#)

## Usage and Citation Metrics

We found 64 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [nidm-terms](#) .

Chen L, et al. (2026) CELF2 Promotes Tau Exon 10 Inclusion via Hinge Domain-Mediated Nuclear Condensation, Driving Cognitive Dysfunction in Tauopathy Models. Research square.

Morris MJ, et al. (2026) Microcephaly-associated protein WDR62 supports purine metabolism by interacting with co-chaperone BAG2. The EMBO journal, 45(7), 2157.

Sakalauskaite G, et al. (2025) A BioID-based approach uncovers the interactome of hexose-6-phosphate dehydrogenase in breast cancer cells and identifies anterior gradient protein 2 as an interacting partner. Cell & bioscience, 15(1), 54.

Tao S, et al. (2025) Inhibition of GSK3 $\beta$  is synthetic lethal with FHIT loss in lung cancer by blocking homologous recombination repair. Experimental & molecular medicine, 57(1), 167.

Bezawork-Geleta A, et al. (2025) Proximity proteomics reveals a mechanism of fatty acid transfer at lipid droplet-mitochondria- endoplasmic reticulum contact sites. Nature communications, 16(1), 2135.

Eibach Y, et al. (2025) The deubiquitinase USP5 prevents accumulation of protein aggregates in cardiomyocytes. Science advances, 11(4), eado3852.

Yoshioka K, et al. (2025) Proximity-dependent biotinylation reveals an interaction between ubiquitin-specific peptidase 46 and centrosome-related proteins. FEBS open bio, 15(1), 151.

Xu X, et al. (2024) The ufmylation cascade controls COPII recruitment, anterograde transport, and sorting of nascent GPCRs at ER. Science advances, 10(25), eadm9216.

Carpanese V, et al. (2024) Interactomic exploration of LRRC8A in volume-regulated anion channels. Cell death discovery, 10(1), 299.

Bedir M, et al. (2024) A novel role for the peptidyl-prolyl cis-trans isomerase Cyclophilin A in DNA-repair following replication fork stalling via the MRE11-RAD50-NBS1 complex. EMBO reports, 25(8), 3432.

Prosdocimi E, et al. (2024) BioID-based intact cell interactome of the Kv1.3 potassium channel identifies a Kv1.3-STAT3-p53 cellular signaling pathway. Science advances, 10(36), eadn9361.

Li J, et al. (2023) Metabolic modulation of CtBP dimeric status impacts the repression of DNA damage repair genes and the platinum sensitivity of ovarian cancer. International journal of biological sciences, 19(7), 2081.

Popovi? A, et al. (2023) Myosin-X recruits lamellipodin to filopodia tips. Journal of cell science, 136(5).

Ozkan NE, et al. (2023) Cell cycle-dependent palmitoylation of protocadherin 7 by ZDHHC5 promotes successful cytokinesis. *Journal of cell science*, 136(6).

Hellewell AL, et al. (2022) PDIA3/ERp57 promotes a matrix-rich secretome that stimulates fibroblast adhesion through CCN2. *American journal of physiology. Cell physiology*, 322(4), C624.

Wass AB, et al. (2022) Cytomegalovirus US28 regulates cellular EphA2 to maintain viral latency. *Science advances*, 8(43), eadd1168.

Franjic D, et al. (2022) Transcriptomic taxonomy and neurogenic trajectories of adult human, macaque, and pig hippocampal and entorhinal cells. *Neuron*, 110(3), 452.

Kim YS, et al. (2022) Rap1 controls epiblast morphogenesis in sync with the pluripotency states transition. *Developmental cell*, 57(16), 1937.

Xiang X, et al. (2021) Identification of pannexin 1-regulated genes, interactome, and pathways in rhabdomyosarcoma and its tumor inhibitory interaction with AHNK. *Oncogene*, 40(10), 1868.

Myllymäki SM, et al. (2021) Proximity-Dependent Biotinylation (BioID) of Integrin Interaction Partners. *Methods in molecular biology* (Clifton, N.J.), 2217, 57.