

Resource Summary Report

Generated by [RRID](#) on Sep 2, 2026

pCRIS-PITChv2-Puro-dTAG (BRD4)

RRID:Addgene_91793

Type: Plasmid

Proper Citation

RRID:Addgene_91793

Plasmid Information

URL: <http://www.addgene.org/91793>

Proper Citation: RRID:Addgene_91793

Insert Name: Puro-P2A-2xHA-FKBP_F36V

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:29581585](#)

Vector Backbone Description: Backbone Marker:Takashi Yamamoto lab; Backbone Size:4579; Vector Backbone:pCRIS-PITChv2 (addgene #63672); Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Comments: See: Sakuma, T., Nakade, S., Sakane, Y., Suzuki, K.-I. & Yamamoto, T. MMEJ-assisted gene knock-in using TALENs and CRISPR-Cas9 with the PITCh systems. Nat Protoc 11, 118???133 (2016). for the original backbone and general cloning protocol.

Plasmid Name: pCRIS-PITChv2-Puro-dTAG (BRD4)

Relevant Mutation: Phenylalanine 36 to valine in FKBP12

Record Creation Time: 20220422T222621+0000

Record Last Update: 20260902T050520+0000

Ratings and Alerts

No rating or validation information has been found for pCRIS-PITChv2-Puro-dTAG (BRD4).

No alerts have been found for pCRIS-PITChv2-Puro-dTAG (BRD4).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Guin K, et al. (2026) Orderly mitosis shapes interphase genome architecture. eLife, 14.

Niekamp S, et al. (2026) Mutual antagonism between PRC1 condensates and SWI/SNF in chromatin regulation. Molecular cell, 86(9), 1673.

Reinders M, et al. (2025) ATXN3 regulates lysosome regeneration after damage by targeting K48-K63-branched ubiquitin chains. The EMBO journal, 44(18), 5086.

Roseman SA, et al. (2025) DNA methylation insulates genic regions from CTCF loops near nuclear speckles. eLife, 13.

Lee C, et al. (2025) DMXL1 promotes recruitment of V1-ATPase to lysosomes upon TRPML1 activation. Nature structural & molecular biology.

Dillingham CM, et al. (2025) KDM3A and KDM3B regulate alternative splicing in mouse pluripotent stem cells. iScience, 28(6), 112612.

Fowler CE, et al. (2025) The PRMT5-splicing axis is a critical oncogenic vulnerability that regulates detained intron splicing. iScience, 28(7), 112965.

Scott TG, et al. (2024) TRPS1 modulates chromatin accessibility to regulate estrogen receptor alpha (ER) binding and ER target gene expression in luminal breast cancer cells. PLoS genetics, 20(2), e1011159.

He T, et al. (2024) Targeting the mSWI/SNF complex in POU2F-POU2AF transcription factor-driven malignancies. Cancer cell, 42(8), 1336.

Dillingham CM, et al. (2024) KDM3A and KDM3B Maintain Naive Pluripotency Through the Regulation of Alternative Splicing. bioRxiv : the preprint server for biology.

Eaton JD, et al. (2024) Human promoter directionality is determined by transcriptional initiation and the opposing activities of INTS11 and CDK9. eLife, 13.

Blears D, et al. (2024) Redundant pathways for removal of defective RNA polymerase II complexes at a promoter-proximal pause checkpoint. Molecular cell, 84(24), 4790.

Scott TG, et al. (2023) TRPS1 modulates chromatin accessibility to regulate estrogen receptor (ER) binding and ER target gene expression in luminal breast cancer cells. bioRxiv : the preprint server for biology.

Lazear MR, et al. (2023) Proteomic discovery of chemical probes that perturb protein complexes in human cells. *Molecular cell*, 83(10), 1725.

Abuhashem A, et al. (2022) Generation of knock-in degron tags for endogenous proteins in mice using the dTAG system. *STAR protocols*, 3(3), 101660.

Siegenfeld AP, et al. (2022) Polycomb-lamina antagonism partitions heterochromatin at the nuclear periphery. *Nature communications*, 13(1), 4199.

Popay TM, et al. (2021) MYC regulates ribosome biogenesis and mitochondrial gene expression programs through its interaction with host cell factor-1. *eLife*, 10.

Cao Z, et al. (2021) ZMYND8-regulated IRF8 transcription axis is an acute myeloid leukemia dependency. *Molecular cell*, 81(17), 3604.

Brand M, et al. (2019) Locus-Specific Knock-In of a Degradable Tag for Target Validation Studies. *Methods in molecular biology* (Clifton, N.J.), 1953, 105.