

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.