

Resource Summary Report

Generated by [RRID](#) on Aug 31, 2026

p4947 pcDNA4c hBrd4 full-length

RRID:Addgene_14441

Type: Plasmid

Proper Citation

RRID:Addgene_14441

Plasmid Information

URL: <http://www.addgene.org/14441>

Proper Citation: RRID:Addgene_14441

Insert Name: Brd4

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:15109495](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5300; Vector Backbone:pcDNA4 / HisMax C; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Addgene sequencing results find amino acid change T249P compared to hBrd4 reference sequence NP_490597.1

Plasmid Name: p4947 pcDNA4c hBrd4 full-length

Record Creation Time: 20220422T221817+0000

Record Last Update: 20260829T075649+0000

Ratings and Alerts

No rating or validation information has been found for p4947 pcDNA4c hBrd4 full-length.

No alerts have been found for p4947 pcDNA4c hBrd4 full-length.

Data and Source Information

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Wessel SR, et al. (2019) Functional Analysis of the Replication Fork Proteome Identifies BET Proteins as PCNA Regulators. *Cell reports*, 28(13), 3497.

Liu S, et al. (2019) BRD4 inhibitor and histone deacetylase inhibitor synergistically inhibit the proliferation of gallbladder cancer in vitro and in vivo. *Cancer science*, 110(8), 2493.

Song S, et al. (2019) Inhibition of BRD4 attenuates transverse aortic constriction- and TGF- β -induced endothelial-mesenchymal transition and cardiac fibrosis. *Journal of molecular and cellular cardiology*, 127, 83.

Wu T, et al. (2019) Yy1 regulates Senp1 contributing to AMPA receptor GluR1 expression following neuronal depolarization. *Journal of biomedical science*, 26(1), 79.

Wu T, et al. (2018) Brd4's Bromodomains Mediate Histone H3 Acetylation and Chromatin Remodeling in Pluripotent Cells through P300 and Brg1. *Cell reports*, 25(7), 1756.

Hao J, et al. (2017) Downregulation of BRD4 inhibits gallbladder cancer proliferation and metastasis and induces apoptosis via PI3K/AKT pathway. *International journal of oncology*, 51(3), 823.

Wu X, et al. (2016) BRD4 Regulates EZH2 Transcription through Upregulation of C-MYC and Represents a Novel Therapeutic Target in Bladder Cancer. *Molecular cancer therapeutics*, 15(5), 1029.

Serrao E, et al. (2015) Key determinants of target DNA recognition by retroviral intasomes. *Retrovirology*, 12, 39.

Rodriguez RM, et al. (2014) Role of BRD4 in hematopoietic differentiation of embryonic stem cells. *Epigenetics*, 9(4), 566.

Liu L, et al. (2014) Transcriptional pause release is a rate-limiting step for somatic cell reprogramming. *Cell stem cell*, 15(5), 574.

Rodriguez RM, et al. (2012) Aberrant epigenetic regulation of bromodomain BRD4 in human colon cancer. *Journal of molecular medicine (Berlin, Germany)*, 90(5), 587.

Ai N, et al. (2011) Signal-induced Brd4 release from chromatin is essential for its role transition from chromatin targeting to transcriptional regulation. *Nucleic acids research*, 39(22), 9592.