

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

pBABEpuro HA Brca1

RRID:Addgene_14999

Type: Plasmid

Proper Citation

RRID:Addgene_14999

Plasmid Information

URL: <http://www.addgene.org/14999>

Proper Citation: RRID:Addgene_14999

Insert Name: Brca1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:10550055](#)

Vector Backbone Description: Backbone Size:5200; Vector Backbone:pBABE-puro; Vector Types:Mammalian Expression, Retroviral; Bacterial Resistance:Ampicillin

Comments: pBABEpuro HABrca1 was made by digesting pCDNA3beta HABrca1 (R. Scully, et al., Cell 88, 265, 1997) with Sall and XhoI and inserting it into the Sall site of pBABEpuro. The BRCA1 insert in this plasmid contains the following common polymorphisms when compared to GenBank reference sequence NP_009225.1: P871L, E1038G, K1182R, and S1613G. These SNPs were likely present in the original cDNA isolate.

Plasmid Name: pBABEpuro HA Brca1

Record Creation Time: 20220422T221831+0000

Record Last Update: 20260725T074009+0000

Ratings and Alerts

No rating or validation information has been found for pBABEpuro HA Brca1.

No alerts have been found for pBABEpuro HA Brca1.

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](#) .

Specht C, et al. (2025) An engineered glutamic acid tRNA for efficient suppression of pathogenic nonsense mutations. *Nucleic acids research*, 53(12).

Awawdeh A, et al. (2024) Efficient suppression of premature termination codons with alanine by engineered chimeric pyrrolysine tRNAs. *Nucleic acids research*, 52(22), 14244.

Wang Q, et al. (2022) STING agonism reprograms tumor-associated macrophages and overcomes resistance to PARP inhibition in BRCA1-deficient models of breast cancer. *Nature communications*, 13(1), 3022.

Park JW, et al. (2020) Proteosomal degradation of NSD2 by BRCA1 promotes leukemia cell differentiation. *Communications biology*, 3(1), 462.

Zhang F, et al. (2020) L ARP7 Is a BRCA1 Ubiquitinase Substrate and Regulates Genome Stability and Tumorigenesis. *Cell reports*, 32(4), 107974.

Li Q, et al. (2019) PP2C γ inhibits p300-mediated p53 acetylation via ATM/BRCA1 pathway to impede DNA damage response in breast cancer. *Science advances*, 5(10), eaaw8417.

Kurihara M, et al. (2019) Colocalization of BRCA1 with Tau Aggregates in Human Tauopathies. *Brain sciences*, 10(1).

Biswas K, et al. (2018) BRE/BRCC45 regulates CDC25A stability by recruiting USP7 in response to DNA damage. *Nature communications*, 9(1), 537.

Chiyoda T, et al. (2017) Loss of BRCA1 in the Cells of Origin of Ovarian Cancer Induces Glycolysis: A Window of Opportunity for Ovarian Cancer Chemoprevention. *Cancer prevention research (Philadelphia, Pa.)*, 10(4), 255.

Sengodan SK, et al. (2017) BRCA1 regulation on β -hCG: a mechanism for tumorigenicity in BRCA1 defective breast cancer. *Oncogenesis*, 6(9), e376.

Zhang W, et al. (2016) BRCA1 inhibits AR-mediated proliferation of breast cancer cells through the activation of SIRT1. *Scientific reports*, 6, 22034.

Luo J, et al. (2016) The Correlation Between PARP1 and BRCA1 in AR Positive Triple-negative Breast Cancer. *International journal of biological sciences*, 12(12), 1500.

Fan S, et al. (2015) Mitochondrial fission determines cisplatin sensitivity in tongue squamous cell carcinoma through the BRCA1-miR-593-5p-MFF axis. *Oncotarget*, 6(17),

14885.

Zhang W, et al. (2015) BRCA1 regulates PIG3-mediated apoptosis in a p53-dependent manner. *Oncotarget*, 6(10), 7608.