

Resource Summary Report

Generated by [RRID](#) on Aug 26, 2026

pDEST-FRT/T0-GFP-BRCA1

RRID:Addgene_71116

Type: Plasmid

Proper Citation

RRID:Addgene_71116

Plasmid Information

URL: <http://www.addgene.org/71116>

Proper Citation: RRID:Addgene_71116

Insert Name: BRCA1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:26649820](#)

Vector Backbone Description: Vector Backbone:pDEST-GFP; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: siRNA resistant sequence: CAGCTACCCTagtATaATc The BRCA1 insert contains the following mutations (residue numbering relative to the plasmid's open reading frame): P1565L, E1732G, A1836T, K1877R, and S2307G

Plasmid Name: pDEST-FRT/T0-GFP-BRCA1

Record Creation Time: 20220422T222438+0000

Record Last Update: 20260815T081908+0000

Ratings and Alerts

No rating or validation information has been found for pDEST-FRT/T0-GFP-BRCA1.

No alerts have been found for pDEST-FRT/T0-GFP-BRCA1.

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](#) .

Salas-Lloret D, et al. (2024) BRCA1/BARD1 ubiquitinates PCNA in unperturbed conditions to promote continuous DNA synthesis. *Nature communications*, 15(1), 4292.

Di Giorgio E, et al. (2024) HDAC4 influences the DNA damage response and counteracts senescence by assembling with HDAC1/HDAC2 to control H2BK120 acetylation and homology-directed repair. *Nucleic acids research*, 52(14), 8218.

Tsukada K, et al. (2024) BLM and BRCA1-BARD1 coordinate complementary mechanisms of joint DNA molecule resolution. *Molecular cell*, 84(4), 640.

Wang JQ, et al. (2022) Inhibition of ASGR1 decreases lipid levels by promoting cholesterol excretion. *Nature*, 608(7922), 413.

Mazzucco G, et al. (2022) Purification of mammalian telomeric DNA for single-molecule analysis. *Nature protocols*, 17(6), 1444.

Loke J, et al. (2022) Prediction of breast cancer risk based on flow variant analysis of circulating peripheral blood mononuclear cells. *HGG advances*, 3(2), 100085.

Xia Y, et al. (2019) Rescue of DNA damage after constricted migration reveals a mechano-regulated threshold for cell cycle. *The Journal of cell biology*, 218(8), 2545.

Batenburg NL, et al. (2019) CSB interacts with BRCA1 in late S/G2 to promote MRN- and CtIP-mediated DNA end resection. *Nucleic acids research*, 47(20), 10678.

Park J, et al. (2019) Single-molecule DNA visualization using AT-specific red and non-specific green DNA-binding fluorescent proteins. *The Analyst*, 144(3), 921.

Xia Y, et al. (2018) Nuclear rupture at sites of high curvature compromises retention of DNA repair factors. *The Journal of cell biology*, 217(11), 3796.

Svobodová Kovaříková A, et al. (2018) H3K9me3 and H4K20me3 represent the epigenetic landscape for 53BP1 binding to DNA lesions. *Aging*, 10(10), 2585.

Moruno-Manchon JF, et al. (2017) The G-quadruplex DNA stabilizing drug pyridostatin promotes DNA damage and downregulates transcription of Brca1 in neurons. *Aging*, 9(9), 1957.