

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pDONR223-ERBB2

RRID:Addgene_23888

Type: Plasmid

Proper Citation

RRID:Addgene_23888

Plasmid Information

URL: <http://www.addgene.org/23888>

Proper Citation: RRID:Addgene_23888

Insert Name: ERBB2

Organism: Homo sapiens

Bacterial Resistance: Spectinomycin

Defining Citation: [PMID:21107320](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5005; Vector Backbone:pDONR223; Vector Types:Gateway Cloning; Bacterial Resistance:Spectinomycin

Comments: The ORF has no Stop codon. This design enables easy recombination into a destination vector to add an epitope tag of choice and Stop codon to the ORF. Do NOT use this plasmid directly for transfections. A set of 4 custom lentiviral vectors is available (pLX301 (<http://www.addgene.org/25895/>) , pLX302 (<http://www.addgene.org/25896/>) , pLX303 (<http://www.addgene.org/25897/>) , pLX304 (<http://www.addgene.org/25890/>)) to be used to express these ORFs in mammalian cells. These plasmids are not included in the kit and must be ordered separately.

Plasmid Name: pDONR223-ERBB2

Record Creation Time: 20220422T222106+0000

Record Last Update: 20260725T074445+0000

Ratings and Alerts

No rating or validation information has been found for pDONR223-ERBB2.

No alerts have been found for pDONR223-ERBB2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Mitani Y, et al. (2022) HER2 G776S mutation promotes oncogenic potential in colorectal cancer cells when accompanied by loss of APC function. Scientific reports, 12(1), 9213.

Johnson AJ, et al. (2021) Rationally Designed Transgene-Encoded Cell-Surface Polypeptide Tag for Multiplexed Programming of CAR T-cell Synthetic Outputs. Cancer immunology research, 9(9), 1047.

Al-Akhrass H, et al. (2021) A feed-forward loop between SorLA and HER3 determines heregulin response and neratinib resistance. Oncogene, 40(7), 1300.

Schulz D, et al. (2018) Simultaneous Multiplexed Imaging of mRNA and Proteins with Subcellular Resolution in Breast Cancer Tissue Samples by Mass Cytometry. Cell systems, 6(1), 25.

Yang Y, et al. (2017) Clathrin Assembly Defines the Onset and Geometry of Cortical Patterning. Developmental cell, 43(4), 507.

Carter EP, et al. (2017) A 3D in vitro model of the human breast duct: a method to unravel myoepithelial-luminal interactions in the progression of breast cancer. Breast cancer research : BCR, 19(1), 50.

Werbin JL, et al. (2017) Multiplexed Exchange-PAINT imaging reveals ligand-dependent EGFR and Met interactions in the plasma membrane. Scientific reports, 7(1), 12150.

Fowler DK, et al. (2016) A MultiSite Gateway Toolkit for Rapid Cloning of Vertebrate Expression Constructs with Diverse Research Applications. PloS one, 11(8), e0159277.

Kwak EL, et al. (2015) Molecular Heterogeneity and Receptor Coamplification Drive Resistance to Targeted Therapy in MET-Amplified Esophagogastric Cancer. Cancer discovery, 5(12), 1271.

Witkiewicz AK, et al. (2014) The retinoblastoma tumor suppressor pathway modulates the invasiveness of ErbB2-positive breast cancer. Oncogene, 33(30), 3980.

de Martino M, et al. (2014) Impact of ERBB2 mutations on in vitro sensitivity of bladder cancer to lapatinib. Cancer biology & therapy, 15(9), 1239.