

Resource Summary Report

Generated by [NIF](#) on Aug 29, 2026

HER2 WT

RRID:Addgene_16257

Type: Plasmid

Proper Citation

RRID:Addgene_16257

Plasmid Information

URL: <http://www.addgene.org/16257>

Proper Citation: RRID:Addgene_16257

Insert Name: HER2

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:15542430](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5400; Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: HER2 WT

Record Creation Time: 20220422T221919+0000

Record Last Update: 20260829T075855+0000

Ratings and Alerts

No rating or validation information has been found for HER2 WT.

No alerts have been found for HER2 WT.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 40 mentions in open access literature.

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

Lu Y, et al. (2026) Characterization of HER2-Positive Murine Breast Cancer Models for Investigating HER2-Targeted Therapy and Immunotherapy. *Cancers*, 18(6).

Kim NY, et al. (2026) HER2-dependent paraptosis and ferroptosis induction by cannabidiol in breast cancer cells. *Biochimica et biophysica acta. Molecular basis of disease*, 1872(4), 168177.

Seijo-Vila M, et al. (2026) Cannabinoid CB2 receptor drives trastuzumab resistance and predicts durable anti-HER2 response. *Oncogene*, 45(25), 2436.

Taha Z, et al. (2024) Complementary dual-virus strategy drives synthetic target and cognate T-cell engager expression for endogenous-antigen agnostic immunotherapy. *Nature communications*, 15(1), 7267.

Hayashi H, et al. (2024) Development of a highly sensitive platform for protein-protein interaction detection and regulation of T cell function. *Proceedings of the National Academy of Sciences of the United States of America*, 121(33), e2318190121.

Minot M, et al. (2024) Meta learning addresses noisy and under-labeled data in machine learning-guided antibody engineering. *Cell systems*, 15(1), 4.

Fondevila MF, et al. (2024) p63 controls metabolic activation of hepatic stellate cells and fibrosis via an HER2-ACC1 pathway. *Cell reports. Medicine*, 5(2), 101401.

Kollara A, et al. (2023) The adaptor protein VEPH1 interacts with the kinase domain of ERBB2 and impacts EGF signaling in ovarian cancer cells. *Cellular signalling*, 106, 110634.

Corogeanu D, et al. (2023) Antibody conjugates for targeted delivery of Toll-like receptor 9 agonist to the tumor tissue. *PloS one*, 18(3), e0282831.

Sailer CJ, et al. (2023) PD-1Hi CAR-T cells provide superior protection against solid tumors. *Frontiers in immunology*, 14, 1187850.

Taha Z, et al. (2023) Syngeneic mouse model of human HER2+ metastatic breast cancer for the evaluation of trastuzumab emtansine combined with oncolytic rhabdovirus. *Frontiers in immunology*, 14, 1181014.

Godfrey JD, et al. (2022) HER2 c-Terminal Fragments Are Expressed via Internal Translation of the HER2 mRNA. *International journal of molecular sciences*, 23(17).

Yu B, et al. (2022) Engineered cell entry links receptor biology with single-cell genomics. *Cell*, 185(26), 4904.

Kundumani-Sridharan V, et al. (2021) Nrg1?? Released in Remote Ischemic Preconditioning Improves Myocardial Perfusion and Decreases Ischemia/Reperfusion Injury via ErbB2-Mediated Rescue of Endothelial Nitric Oxide Synthase and Abrogation of Trx2 Autophagy. *Arteriosclerosis, thrombosis, and vascular biology*, 41(8), 2293.

Hart V, et al. (2021) HER2-PI9 and HER2-I12: two novel and functionally active splice variants of the oncogene HER2 in breast cancer. *Journal of cancer research and clinical oncology*, 147(10), 2893.

Chen Y, et al. (2021) Erb-b2 Receptor Tyrosine Kinase 2 (ERBB2) Promotes ATG12-Dependent Autophagy Contributing to Treatment Resistance of Breast Cancer Cells. *Cancers*, 13(5).

Yang Y, et al. (2021) Functional cooperation between co-amplified genes promotes aggressive phenotypes of HER2-positive breast cancer. *Cell reports*, 34(10), 108822.

Yoshioka H, et al. (2021) Excessive All-Trans Retinoic Acid Inhibits Cell Proliferation Through Upregulated MicroRNA-4680-3p in Cultured Human Palate Cells. *Frontiers in cell and developmental biology*, 9, 618876.

Jeon I, et al. (2020) Enhanced Immunogenicity of Engineered HER2 Antigens Potentiates Antitumor Immune Responses. *Vaccines*, 8(3).

Minutolo NG, et al. (2020) Quantitative Control of Gene-Engineered T-Cell Activity through the Covalent Attachment of Targeting Ligands to a Universal Immune Receptor. *Journal of the American Chemical Society*, 142(14), 6554.