

Resource Summary Report

Generated by [NIF](#) on Jul 28, 2026

pcDNA3.1-ERBB4

RRID:Addgene_29527

Type: Plasmid

Proper Citation

RRID:Addgene_29527

Plasmid Information

URL: <http://www.addgene.org/29527>

Proper Citation: RRID:Addgene_29527

Insert Name: ERBB4

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:19718025](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5500; Vector Backbone:pcDNA3.1; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pcDNA3.1-ERBB4

Relevant Mutation: Wild Type

Record Creation Time: 20220422T222130+0000

Record Last Update: 20260725T074532+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3.1-ERBB4.

No alerts have been found for pcDNA3.1-ERBB4.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

VanSlyke JK, et al. (2024) TGF β overcomes FGF-induced transinhibition of EGFR in lens cells to enable fibrotic secondary cataract. *Molecular biology of the cell*, 35(6), ar75.

VanSlyke JK, et al. (2023) ErbBs in Lens Cell Fibrosis and Secondary Cataract. *Investigative ophthalmology & visual science*, 64(10), 6.

Kawahara R, et al. (2022) ErbB4-mediated regulation of vasculogenic mimicry capability in breast cancer cells. *Cancer science*, 113(3), 950.

Streets AJ, et al. (2017) Parallel microarray profiling identifies ErbB4 as a determinant of cyst growth in ADPKD and a prognostic biomarker for disease progression. *American journal of physiology. Renal physiology*, 312(4), F577.

Unda BK, et al. (2016) Neuregulin-1 Regulates Cortical Inhibitory Neuron Dendrite and Synapse Growth through DISC1. *Neural plasticity*, 2016, 7694385.

Schwenk BM, et al. (2016) TDP-43 loss of function inhibits endosomal trafficking and alters trophic signaling in neurons. *The EMBO journal*, 35(21), 2350.

Slanina H, et al. (2014) Role of epidermal growth factor receptor signaling in the interaction of *Neisseria meningitidis* with endothelial cells. *Infection and immunity*, 82(3), 1243.