

Resource Summary Report

Generated by [kravitz2](#) on Aug 23, 2026

EGFR-GFP

RRID:Addgene_32751

Type: Plasmid

Proper Citation

RRID:Addgene_32751

Plasmid Information

URL: <http://www.addgene.org/32751>

Proper Citation: RRID:Addgene_32751

Insert Name: EGFR

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:9857032](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4672; Vector Backbone:pEGFP-N1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: To create the EGFR-GFP fusion (in-frame), the the full-length cDNA of EGFR including 3' and 5' untranslated regions was cloned into pEGFP-N1 as an XbaI/HindIII fragment. This is EGFR-wt. The 3' end of the EGFR cDNA including STOP codon and untranslated region was removed by PCR and digestion. The 3' primer generated a new SstII (SacII) site.

Plasmid Name: EGFR-GFP

Record Creation Time: 20220422T222142+0000

Record Last Update: 20260815T081344+0000

Ratings and Alerts

No rating or validation information has been found for EGFR-GFP.

No alerts have been found for EGFR-GFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 70 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Singh D, et al. (2026) Antibody-Mediated Targeting of Secretory Protein SCUBE3 Suppresses Cancer Progression by Inhibiting Oncogenic Signaling and Inducing Antitumor Immunity. *Cancer research*, 86(5), 1252.

Giamundo G, et al. (2025) Ezrin defines TSC complex activation at endosomal compartments through EGFR-AKT signaling. *eLife*, 13.

Dolma L, et al. (2025) Mutant p53 induces SH3BGRL expression to promote cell engulfment. *Cell death discovery*, 11(1), 288.

Giamundo G, et al. (2025) Loss of Ezrin triggers mitochondrial dysfunction and oxidative stress, associated with neuronal cell death. *Cell death discovery*, 11(1), 490.

Zhang D, et al. (2025) Genetic profiling of synchronous pituitary corticotroph adenomas. *Pituitary*, 28(4), 77.

Jha A, et al. (2025) CD44 and Ezrin restrict EGF receptor mobility to generate a novel spatial arrangement of cytoskeletal signaling modules driving bleb-based migration. *bioRxiv* : the preprint server for biology.

Zhang D, et al. (2025) Genetic Profiling of Synchronous Pituitary Corticotroph Adenomas. *Research square*.

Min DH, et al. (2025) Bafilomycin A1 induces colon cancer cell death through impairment of the endolysosome system dependent on iron. *Scientific reports*, 15(1), 5148.

Baker MJ, et al. (2025) P-Rex1 limits the agonist-induced internalization of GPCRs independently of its Rac-GEF activity. *Cell reports*, 44(10), 116403.

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.

Wang D, et al. (2024) SNX32 Regulates Sorting and Trafficking of Activated EGFR to the Lysosomal Degradation Pathway. *Traffic (Copenhagen, Denmark)*, 25(7), e12952.

Guo J, et al. (2024) TNIK drives castration-resistant prostate cancer via phosphorylating EGFR. *iScience*, 27(1), 108713.

Gekle M, et al. (2024) Direct GPCR-EGFR interaction enables synergistic membrane-to-nucleus information transfer. *Cellular and molecular life sciences : CMLS*, 81(1), 272.

Shin JH, et al. (2024) USP21-EGFR signaling axis is functionally implicated in metastatic colorectal cancer. *Cell death discovery*, 10(1), 492.

Bagul C, et al. (2023) Benzimidazole-linked pyrazolo[1,5-a]pyrimidine conjugates: synthesis and detail evaluation as potential anticancer agents. *Molecular diversity*, 27(3), 1185.

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

Lee E, et al. (2023) Cell-Based Sensors for the Detection of EGF and EGF-Stimulated Ca²⁺ Signaling. *Biosensors*, 13(3).

Ko A, et al. (2023) LZTR1 Mutation Mediates Oncogenesis through Stabilization of EGFR and AXL. *Cancer discovery*, 13(3), 702.

Nag JK, et al. (2022) PH-Binding Motif in PAR4 Oncogene: From Molecular Mechanism to Drug Design. *Molecular cancer therapeutics*, 21(9), 1415.

Zhou S, et al. (2022) CD109 Is a Critical Determinant of EGFR Expression and Signaling, and Tumorigenicity in Squamous Cell Carcinoma Cells. *Cancers*, 14(15).