

Resource Summary Report

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

pEGFP-C1-ER alpha

RRID:Addgene_28230

Type: Plasmid

Proper Citation

RRID:Addgene_28230

Plasmid Information

URL: <http://www.addgene.org/28230>

Proper Citation: RRID:Addgene_28230

Insert Name: Estrogen Receptor alpha

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:10770489](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4731; Vector Backbone:pEGFP-C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: Tzukerman MT, Esty A, Santiso-Mere D, Danielian P, Parker MG, Stein RB, Pike JW, McDonnell DP 1994 Human estrogen receptor transactivational capacity is determined by both cellular and promoter context and mediated by two functionally distinct intramolecular regions. Mol Endocrinol 8:21–30

Plasmid Name: pEGFP-C1-ER alpha

Record Creation Time: 20220422T222127+0000

Record Last Update: 20260725T074526+0000

Ratings and Alerts

No rating or validation information has been found for pEGFP-C1-ER alpha.

No alerts have been found for pEGFP-C1-ER alpha.

Data and Source Information

Usage and Citation Metrics

We found 29 mentions in open access literature.

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

López-Romero EO, et al. (2025) A FRET-based competitive binding assay using coumestrol and the ligand-binding domain of human estrogen receptor alpha tagged with mTurquoise2 efficiently expressed in E. coli with ethanol. Protein expression and purification, 229, 106667.

Sivasailam A, et al. (2025) Estrogen receptor alpha dynamics and plasticity during endocrine resistance. Biology direct, 20(1), 70.

Kohler A, et al. (2025) Dual Targeting Approach Using 4-Hydroxytamoxifen Neuropeptide Y Conjugates for Selective Addressing of Adipose Tissue. ChemMedChem, 20(24), e202500668.

Mann R, et al. (2025) Paused RNA polymerase primes promoters via RNA-mediated stabilisation of transcription factor ER?. Nature communications, 16(1), 9553.

Lin WD, et al. (2025) Loss of estrogen receptor alpha promotes distant metastasis through epithelial-mesenchymal transition in luminal-type breast cancer. Biochimica et biophysica acta. Molecular basis of disease, 1872(1), 168055.

El Habre R, et al. (2024) All-trans-retinoic acid modulates glycolysis via H19 and telomerase: the role of mir-let-7a in estrogen receptor-positive breast cancer cells. BMC cancer, 24(1), 615.

Choi G, et al. (2024) Novel Estrogen Receptor Dimerization BRET-Based Biosensors for Screening Estrogenic Endocrine-Disrupting Chemicals. Biomaterials research, 28, 0010.

Zhu Y, et al. (2023) Dual-specificity RNA aptamers enable manipulation of target-specific O-GlcNAcylation and unveil functions of O-GlcNAc on β -catenin. Cell, 186(2), 428.

Kelava I, et al. (2022) Androgens increase excitatory neurogenic potential in human brain organoids. Nature, 602(7895), 112.

Szafran AT, et al. (2022) Sensitive image-based chromatin binding assays using inducible ER β to rapidly characterize estrogenic chemicals and mixtures. iScience, 25(10), 105200.

Nguyen Hoang AT, et al. (2021) CSNK1G2 differently sensitizes tamoxifen-induced decrease in PI3K/AKT/mTOR/S6K and ERK signaling according to the estrogen receptor existence in breast cancer cells. PloS one, 16(4), e0246264.

Hassan A, et al. (2019) The 17 β -estradiol induced upregulation of the adhesion G-protein coupled receptor (ADGRG7) is modulated by ESR α and SP1 complex. Biology open, 8(1).

Kuo PL, et al. (2019) Identification of SEPTIN12 as a novel target of the androgen and estrogen receptors in human testicular cells. *Biochimie*, 158, 1.

Tawara K, et al. (2019) HIGH expression of OSM and IL-6 are associated with decreased breast cancer survival: synergistic induction of IL-6 secretion by OSM and IL-1?. *Oncotarget*, 10(21), 2068.

Sanawar R, et al. (2019) Estrogen receptor- α regulation of microRNA-590 targets FAM171A1-a modifier of breast cancer invasiveness. *Oncogenesis*, 8(1), 5.

Lillo Osuna MA, et al. (2019) Activation of Estrogen Receptor Alpha by Decitabine Inhibits Osteosarcoma Growth and Metastasis. *Cancer research*, 79(6), 1054.

Kano M, et al. (2019) Expression of estrogen receptor alpha is associated with pathogenesis and prognosis of human papillomavirus-positive oropharyngeal cancer. *International journal of cancer*, 145(6), 1547.

Watanabe K, et al. (2018) A novel somatic mutation of SIN3A detected in breast cancer by whole-exome sequencing enhances cell proliferation through ER α expression. *Scientific reports*, 8(1), 16000.

Pedersen KB, et al. (2017) Forkhead Box Transcription Factors of the FOXA Class Are Required for Basal Transcription of Angiotensin-Converting Enzyme 2. *Journal of the Endocrine Society*, 1(4), 370.

Besse-Patin A, et al. (2017) Estrogen Signals Through Peroxisome Proliferator-Activated Receptor- α Coactivator 1 α to Reduce Oxidative Damage Associated With Diet-Induced Fatty Liver Disease. *Gastroenterology*, 152(1), 243.