

Resource Summary Report

Generated by [NIF](#) on Aug 12, 2026

EF.GFP

RRID:Addgene_17616

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/17616>

Proper Citation: RRID:Addgene_17616

Insert Name: EF-1a promoter

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:11781219](#)

Vector Backbone Description: Backbone Marker:Dr. Didier Trono; Backbone Size:0; Vector Backbone:SIN LV pRLLhPGK.GFP Sin-18 (modified); Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Comments: SIN lentiviral vector that expresses GFP controlled by the promoter of the housekeeping gene EF-1alpha. We constructed EF.GFP by replacing the human PGK promoter (EcoRV to BamHI sites in the PGK.GFP vector) with human EF-1alpha promoter from plasmid pEF1/Myc-His-A (Invitrogen, Carlsbad, CA). The EF-1alpha promoter (nucleotide 373 to 1560 as numbered in GenBank accession J04616) contains the first exon, first intron, and part of the second exon before the coding sequence (starting at nucleotide 1582). Recombinant LVs were generated using the 3-plasmid system by cotransfection of 293T cells through calcium phosphate precipitation. The ratio of a transducing vector, pMD.G, and pCMVDeltaR8.91 was fixed at 1.5:0.5:2 ??g for 10⁶ 293T cells.

Plasmid Name: EF.GFP

Record Creation Time: 20220422T222017+0000

Record Last Update: 20260808T081302+0000

Ratings and Alerts

No rating or validation information has been found for EF.GFP.

No alerts have been found for EF.GFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Jaremek A, et al. (2023) Genome-Wide Analysis of Hypoxia-Inducible Factor Binding Reveals Targets Implicated in Impaired Human Placental Syncytiotrophoblast Formation under Low Oxygen. The American journal of pathology, 193(7), 846.

Harrasser M, et al. (2022) Inducible localized delivery of an anti-PD-1 scFv enhances anti-tumor activity of ROR1 CAR-T cells in TNBC. Breast cancer research : BCR, 24(1), 39.

Chaturvedi P, et al. (2022) Exercise mitigates calpain induced Purkinje cell loss in diabetes. Life sciences, 308, 120982.

Kim EY, et al. (2017) ABT-737 Synergizes with Cisplatin Bypassing Aberration of Apoptotic Pathway in Non-small Cell Lung Cancer. Neoplasia (New York, N.Y.), 19(4), 354.

Chaturvedi P, et al. (2015) Cardiac tissue inhibitor of matrix metalloprotease 4 dictates cardiomyocyte contractility and differentiation of embryonic stem cells into cardiomyocytes: Road to therapy. International journal of cardiology, 184, 350.