

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

pEF-I-GFP GX

RRID:Addgene_45443

Type: Plasmid

Proper Citation

RRID:Addgene_45443

Plasmid Information

URL: <http://www.addgene.org/45443>

Proper Citation: RRID:Addgene_45443

Bacterial Resistance: Chloramphenicol and Ampicillin

Defining Citation: [PMID:18754012](#)

Vector Backbone Description: Backbone Marker:Connie Cepko lab (Harvard Medical School, Boston, MA); Backbone Size:7349; Vector Backbone:pEF-GFP (Addgene Plasmid #11154); Vector Types:Mammalian Expression; Bacterial Resistance:Chloramphenicol and Ampicillin

Comments: Alternate plasmid name: pEF1?-RfC.1-IRES-GFP To construct this vector, the depositing lab used EcoRI and BsrGI to replace the EGFP in pEF-GFP (Addgene plasmid 11154) with the IRES-GFP fragment from plasmid pBMN-I-GFP (Addgene plasmid 1736), creating intermediate vector pEF1?-IRES-GFP. Plasmid pEF1?-IRES-GFP was then converted to a Gateway-enabled destination vector with the Gateway Vector Conversion System (Invitrogen) by digesting with EcoRI, blunting the ends, and inserting Reading Frame Cassette C (RfC.1) gateway cassette.

Plasmid Name: pEF-I-GFP GX

Record Creation Time: 20220422T222234+0000

Record Last Update: 20260815T081524+0000

Ratings and Alerts

No rating or validation information has been found for pEF-I-GFP GX.

No alerts have been found for pEF-I-GFP GX.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Dierks A, et al. (2022) The Bioactive Phenolic Agents Diaryl Ether CVB2-61 and Diarylheptanoid CVB4-57 as Connexin Hemichannel Blockers. *Pharmaceuticals (Basel, Switzerland)*, 15(10).

Schadzek P, et al. (2019) Analysis of the dominant mutation N188T of human connexin46 (hCx46) using concatenation and molecular dynamics simulation. *FEBS open bio*, 9(5), 840.

Schadzek P, et al. (2018) Concatenation of Human Connexin26 (hCx26) and Human Connexin46 (hCx46) for the Analysis of Heteromeric Gap Junction Hemichannels and Heterotypic Gap Junction Channels. *International journal of molecular sciences*, 19(9).