

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).