

Resource Summary Report

Generated by [NIF](#) on Sep 2, 2026

pIRES-EGFP-puro

RRID:Addgene_45567

Type: Plasmid

Proper Citation

RRID:Addgene_45567

Plasmid Information

URL: <http://www.addgene.org/45567>

Proper Citation: RRID:Addgene_45567

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:5729; Vector Backbone:pEGFP-C1; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Plasmid pIRES-EGFP-puro was constructed containing the Phcmv promoter followed by unique restriction sites (NheI, XhoI, and SacI) for insertion of genes. Downstream, an IRES from the encephalomyocarditis virus directs the translation of EGFP-puro from the same mRNA. Addgene's sequencing results found differences compared to the depositing lab's sequence in the 3' region of the puro resistance marker. The resulting protein sequence matches NCBI WP_055528321.1 and should be functional.

Plasmid Name: pIRES-EGFP-puro

Record Creation Time: 20220422T222235+0000

Record Last Update: 20260902T045520+0000

Ratings and Alerts

No rating or validation information has been found for pIRES-EGFP-puro.

No alerts have been found for pIRES-EGFP-puro.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 24 mentions in open access literature.

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

Congdon ST, et al. (2026) Investigating and correcting a rare pathogenic mutation in GDF11. HGG advances, 7(1), 100559.

Otero CE, et al. (2025) Rhesus Cytomegalovirus-encoded Fc γ -binding glycoproteins facilitate viral evasion from IgG-mediated humoral immunity. Nature communications, 16(1), 1200.

Vermehren-Schmaedick A, et al. (2024) Mutation of SIVA, a candidate metastasis gene identified from clonally related bilateral breast cancers, promotes breast cancer cell spread in vitro and in vivo. PloS one, 19(5), e0302856.

González-Burguera I, et al. (2024) PLC γ 1 by-passes early growth response -1 to induce the differentiation of neuronal cells. Cell death discovery, 10(1), 250.

Tseng CS, et al. (2022) A Novel Somatic Mutation of CACNA1H p.V1937M in Unilateral Primary Hyperaldosteronism. Frontiers in endocrinology, 13, 816476.

Gosavi D, et al. (2022) Insights into the secondary and tertiary structure of the Bovine Viral Diarrhea Virus Internal Ribosome Entry Site. RNA biology, 19(1), 496.

Davis LJ, et al. (2021) Organelle tethering, pore formation and SNARE compensation in the late endocytic pathway. Journal of cell science, 134(10).

Chera JS, et al. (2021) PU.1 is involved in the transcriptional up-regulation of RNA and DNA sensing pathway genes in buffalo fibroblasts. Veterinary immunology and immunopathology, 242, 110349.

Förster A, et al. (2021) Rare germline variants in the E-cadherin gene CDH1 are associated with the risk of brain tumors of neuroepithelial and epithelial origin. Acta neuropathologica, 142(1), 191.

Peng KY, et al. (2021) Pathophysiological and Pharmacological Characteristics of KCNJ5 157-159delITE Somatic Mutation in Aldosterone-Producing Adenomas. Biomedicines, 9(8).

Larocque G, et al. (2021) Intracellular nanovesicles mediate α 5 β 1 integrin trafficking during cell migration. The Journal of cell biology, 220(10).

Das I, et al. (2020) AXL and CAV-1 play a role for MTH1 inhibitor TH1579 sensitivity in cutaneous malignant melanoma. Cell death and differentiation, 27(7), 2081.

Colozza G, et al. (2020) Wnt-inducible Lrp6-APEX2 interacting proteins identify ESCRT machinery and Trk-fused gene as components of the Wnt signaling pathway. Scientific reports, 10(1), 21555.

Izrael R, et al. (2020) Identification of a nuclear localization signal in the Plasmodium falciparum CTP: phosphocholine cytidyltransferase enzyme. Scientific reports, 10(1), 19739.

Grozio A, et al. (2019) Slc12a8 is a nicotinamide mononucleotide transporter. Nature metabolism, 1(1), 47.

Sun W, et al. (2019) The mechanosensitive Piezo1 channel is required for bone formation. eLife, 8.

Rauch JN, et al. (2018) Tau Internalization is Regulated by 6-O Sulfation on Heparan Sulfate Proteoglycans (HSPGs). Scientific reports, 8(1), 6382.

Li J, et al. (2018) Deletion of Tmtc4 activates the unfolded protein response and causes postnatal hearing loss. The Journal of clinical investigation, 128(11), 5150.

Marton L, et al. (2018) Heterologous expression of CTP:phosphocholine cytidyltransferase from Plasmodium falciparum rescues Chinese Hamster Ovary cells deficient in the Kennedy phosphatidylcholine biosynthesis pathway. Scientific reports, 8(1), 8932.

Schattauer SS, et al. (2017) Peroxiredoxin 6 mediates G α i protein-coupled receptor inactivation by cJun kinase. Nature communications, 8(1), 743.