

Resource Summary Report

Generated by [nidm-terms](#) on Aug 10, 2026

LeGO-iT2

RRID:Addgene_27343

Type: Plasmid

Proper Citation

RRID:Addgene_27343

Plasmid Information

URL: <http://www.addgene.org/27343>

Proper Citation: RRID:Addgene_27343

Insert Name: SFFV promoter, IRES-tdTomato

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18362927](#)

Vector Backbone Description: Backbone Size:8540; Vector Backbone:LeGO; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Comments: HIV-1 derived third generation lentiviral vector for the expression of a cDNA cloned into the multiple cloning site (BamHI, EcoRI, NotI). An internal ribosome entry site (IRES) is used to express the marker gene. Use second generation (like psPAX2) or third generation (like pMDLg/pRRE + pRSV-Rev) systems for packaging in addition to a VSV-G expressing plasmid (or another envelope protein). Please visit the LeGO-Vector home page for more information: <http://www.LentiGO-Vectors.de>

Plasmid Name: LeGO-iT2

Record Creation Time: 20220422T222123+0000

Record Last Update: 20260808T081502+0000

Ratings and Alerts

No rating or validation information has been found for LeGO-iT2.

No alerts have been found for LeGO-iT2.

Data and Source Information

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Borkowska P, et al. (2026) The impact of NGF overexpression on proteome profile in WJ-MSC cultures. Brain research, 1874, 150139.

Talwar D, et al. (2023) The GAPDH redox switch safeguards reductive capacity and enables survival of stressed tumour cells. Nature metabolism, 5(4), 660.

Borkowska P, et al. (2023) Effects of the Co-Overexpression of the BCL and BDNF Genes on the Gamma-Aminobutyric Acid-Ergic Differentiation of Wharton's-Jelly-Derived Mesenchymal Stem Cells. Biomedicines, 11(6).

Chang JC, et al. (2023) Interrogation of human microglial phagocytosis by CRISPR genome editing. Frontiers in immunology, 14, 1169725.

Borkowska P, et al. (2022) Survival and Neurogenesis-Promoting Effects of the Co-Overexpression of BCLXL and BDNF Genes on Wharton's Jelly-Derived Mesenchymal Stem Cells. Life (Basel, Switzerland), 12(9).

Morys J, et al. (2022) Study of the influence of NGF-?? gene overexpression in human mesenchymal stem cells on the expression level of SOX1 and neural pathway genes. Molecular biology reports, 49(6), 4435.

Trofimenko E, et al. (2021) Genetic, cellular, and structural characterization of the membrane potential-dependent cell-penetrating peptide translocation pore. eLife, 10.

Borkowska P, et al. (2021) Synergistic Effect of the Long-Term Overexpression of Bcl-2 and BDNF Lentiviral in Cell Protecting against Death and Generating TH Positive and CHAT Positive Cells from MSC. International journal of molecular sciences, 22(13).

Beveridge DJ, et al. (2021) The tumor suppressor miR-642a-5p targets Wilms Tumor 1 gene and cell-cycle progression in prostate cancer. Scientific reports, 11(1), 18003.

Borkowska P, et al. (2020) Evaluation of reference genes for quantitative real-time PCR in Wharton's Jelly-derived mesenchymal stem cells after lentiviral transduction and differentiation. Molecular biology reports, 47(2), 1107.

Clark KC, et al. (2020) Targeted Disruption of Bone Marrow Stromal Cell-Derived Gremlin1 Limits Multiple Myeloma Disease Progression In Vivo. Cancers, 12(8).

Huang RS, et al. (2020) Enhanced NK-92 Cytotoxicity by CRISPR Genome Engineering Using Cas9 Ribonucleoproteins. Frontiers in immunology, 11, 1008.

Czarnek M, et al. (2020) Proteolytic Processing of Neuregulin 2. Molecular neurobiology, 57(4), 1799.

Pedersen KB, et al. (2015) Dynamics of ADAM17-Mediated Shedding of ACE2 Applied to Pancreatic Islets of Male db/db Mice. *Endocrinology*, 156(12), 4411.

Annibaldi A, et al. (2014) TAT-RasGAP317-326-mediated tumor cell death sensitization can occur independently of Bax and Bak. *Apoptosis : an international journal on programmed cell death*, 19(4), 719.