

Resource Summary Report

Generated by [RRID](#) on Aug 20, 2026

[pLX303](#)

RRID:Addgene_25897

Type: Plasmid

Proper Citation

RRID:Addgene_25897

Plasmid Information

URL: <http://www.addgene.org/25897>

Proper Citation: RRID:Addgene_25897

Bacterial Resistance: Chloramphenicol and Ampicillin

Defining Citation: [PMID:21706014](#)

Vector Backbone Description: Backbone Size:9335; Vector Backbone:pLKO; Vector Types:Mammalian Expression, Lentiviral, Gateway Cloning; Bacterial Resistance:Chloramphenicol and Ampicillin

Comments: There is a Stop codon directly after the Gateway sequence.

Plasmid Name: pLX303

Record Creation Time: 20220422T222115+0000

Record Last Update: 20260815T081249+0000

Ratings and Alerts

No rating or validation information has been found for pLX303.

No alerts have been found for pLX303.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 33 mentions in open access literature.

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

Khadiullina R, et al. (2025) Cellular activity upregulation of the thermolabile p53 cancer mutant Y220C by small molecule indazole derivatives. *Cell death discovery*, 11(1), 508.

Di Patria L, et al. (2025) C-terminal binding protein-2 triggers CYR61-induced metastatic dissemination of osteosarcoma in a non-hypoxic microenvironment. *Journal of experimental & clinical cancer research : CR*, 44(1), 83.

Troester S, et al. (2025) Transcriptional and epigenetic rewiring by the NUP98::KDM5A fusion oncoprotein directly activates CDK12. *Nature communications*, 16(1), 4656.

Kim WJ, et al. (2025) Mis-splicing-derived neoantigens and cognate TCRs in splicing factor mutant leukemias. *Cell*, 188(13), 3422.

Wang Y, et al. (2025) Hyaluronic acid regulates cellular UDP-GlcNAc levels through CD44 to affect glycosylation and cell biological functions. *The Journal of biological chemistry*, 302(2), 111111.

Ikeda Y, et al. (2024) DeSUMOylating isopeptidase 1 participates in the faithful chromosome segregation and vincristine sensitivity. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 38(24), e70261.

Salas-Lloret D, et al. (2023) SUMO-activated target traps (SATTs) enable the identification of a comprehensive E3-specific SUMO proteome. *Science advances*, 9(31), eadh2073.

Chulpanova DS, et al. (2023) Cytochalasin B-Induced Membrane Vesicles from TRAIL-Overexpressing Mesenchymal Stem Cells Induce Extrinsic Pathway of Apoptosis in Breast Cancer Mouse Model. *Current issues in molecular biology*, 45(1), 571.

Scinicariello S, et al. (2023) HUWE1 controls tristetraprolin proteasomal degradation by regulating its phosphorylation. *eLife*, 12.

Filin IY, et al. (2023) T-Lymphocytes Activated by Dendritic Cells Loaded by Tumor-Derived Vesicles Decrease Viability of Melanoma Cells In Vitro. *Current issues in molecular biology*, 45(10), 7827.

Berger AA, et al. (2022) The role of CTNNB1 mutations and matrix metalloproteinases (MMPs) in anti-angiogenesis treatment of endometrial carcinoma. *Gynecologic oncology*, 167(2), 323.

Shaimardanova AA, et al. (2022) Functionality of a bicistronic construction containing HEXA and HEXB genes encoding ??-hexosaminidase A for cell-mediated therapy of GM2 gangliosidoses. *Neural regeneration research*, 17(1), 122.

Schaefer EJ, et al. (2022) BCOR and BCORL1 Mutations Drive Epigenetic Reprogramming and Oncogenic Signaling by Unlinking PRC1.1 from Target Genes. *Blood cancer discovery*, 3(2), 116.

Misek SA, et al. (2022) BRAF Inhibitor Resistance Confers Increased Sensitivity to Mitotic Inhibitors. *Frontiers in oncology*, 12, 766794.

Cordova RA, et al. (2022) GCN2 eIF2 kinase promotes prostate cancer by maintaining amino acid homeostasis. *eLife*, 11.

Shi SL, et al. (2021) Export of RNA-derived modified nucleosides by equilibrative nucleoside transporters defines the magnitude of autophagy response and Zika virus replication. *RNA biology*, 18(sup1), 478.

Chulpanova DS, et al. (2021) Cytochalasin B-Induced Membrane Vesicles from Human Mesenchymal Stem Cells Overexpressing IL2 Are Able to Stimulate CD8⁺ T-Killers to Kill Human Triple Negative Breast Cancer Cells. *Biology*, 10(2).

Lee MN, et al. (2021) Antigen identification for HLA class I- and HLA class II-restricted T cell receptors using cytokine-capturing antigen-presenting cells. *Science immunology*, 6(55).

Kudriaeva AA, et al. (2021) In-depth characterization of ubiquitin turnover in mammalian cells by fluorescence tracking. *Cell chemical biology*, 28(8), 1192.

de Almeida M, et al. (2021) AKIRIN2 controls the nuclear import of proteasomes in vertebrates. *Nature*, 599(7885), 491.