

Resource Summary Report

Generated by [RRID](#) on Sep 3, 2026

[pLKO.1-blast](#)

RRID:Addgene_26655

Type: Plasmid

Proper Citation

RRID:Addgene_26655

Plasmid Information

URL: <http://www.addgene.org/26655>

Proper Citation: RRID:Addgene_26655

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:20890297](#)

Vector Backbone Description: Backbone Marker:David Root; Backbone Size:7000; Vector Backbone:pLKO.1; Vector Types:Mammalian Expression, Lentiviral, RNAi; Bacterial Resistance:Ampicillin

Plasmid Name: pLKO.1-blast

Record Creation Time: 20220422T222119+0000

Record Last Update: 20260902T045143+0000

Ratings and Alerts

No rating or validation information has been found for pLKO.1-blast.

No alerts have been found for pLKO.1-blast.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 87 mentions in open access literature.

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

Li S, et al. (2026) Microhomology-mediated end joining acts directly on replication forks to repair single-ended double-strand breaks. *Molecular cell*, 86(7), 1230.

Yamamoto TM, et al. (2026) Chromobox 2 Inhibition: A Novel Activity of Alisertib, an Aurora A Kinase Inhibitor. *Molecular cancer therapeutics*, 25(7), 1130.

Huo Y, et al. (2026) FOSL1 Orchestrates Epigenetic Reprogramming of Anaplastic Thyroid Cancer and Suppresses NK Cell-Mediated Antitumor Immunity. *Cancer research*, 86(9), 2184.

Gan Y, et al. (2025) AdipoR1 enhances the radiation resistance via ESR1/CCNB1IP1/cyclin B1 pathway in hepatocellular carcinoma cells. *Molecular medicine (Cambridge, Mass.)*, 31(1), 21.

Jacobs SO, et al. (2025) Hypoxia increases susceptibility of human intestinal epithelial cells to rotavirus infection through repression of interferon induction. *Gut microbes*, 17(1), 2560593.

Tanaka H, et al. (2025) Nucleosome stability safeguards cell identity, stress resilience and healthy aging. *bioRxiv : the preprint server for biology*.

Amin R, et al. (2025) NAT10 promotes cancer metastasis by modulating p300/CBP activity through chromatin-associated tRNA. *Molecular cell*, 85(24), 4526.

Chen X, et al. (2025) DNA methylation protects cancer cells against senescence. *Nature communications*, 16(1), 5901.

Okubo C, et al. (2025) EIF3D safeguards the homeostasis of key signaling pathways in human primed pluripotency. *Science advances*, 11(15), eadq5484.

Adams P, et al. (2025) Nucleosome stability safeguards cell identity, stress resilience and healthy aging. *Research square*.

Wang Y, et al. (2025) HSP90 regulates dCK stability and inhibits ionizing radiation-induced ferroptosis in cervical cancer cells. *Cell death discovery*, 11(1), 191.

Qiu J, et al. (2025) CHD7 binds to insulators during neuronal differentiation. *bioRxiv : the preprint server for biology*.

Franklin R, et al. (2025) Histone chaperones coupled to DNA replication and transcription control divergent chromatin elements to maintain cell fate. *Genes & development*, 39(9-10), 652.

Rominger MC, et al. (2025) Mutant RIT1 cooperates with YAP to drive an EMT-like lung cancer state. *Cell reports*, 44(10), 116185.

Ibrahim NK, et al. (2025) SOD2 is a regulator of proteasomal degradation promoting an adaptive cellular starvation response. *Cell reports*, 44(4), 115434.

Mei W, et al. (2025) A commonly inherited human PCSK9 germline variant drives breast cancer metastasis via LRP1 receptor. *Cell*, 188(2), 371.

Burlet D, et al. (2025) The inflammasome sensor NLRP3 interacts with REV7 to maintain genome integrity through homologous recombination. *Nucleic acids research*, 53(12).

Miao W, et al. (2025) DDX50 cooperates with STAU1 to effect stabilization of pro-differentiation RNAs. *Cell reports*, 44(1), 115174.

Hirai M, et al. (2025) HHV-6B ribonucleotide reductase sequesters NF- κ B subunit p65 to inhibit innate immune responses. *iScience*, 28(2), 111710.

You E, et al. (2025) LINE-1 ORF1p Mimics Viral Innate Immune Evasion Mechanisms in Pancreatic Ductal Adenocarcinoma. *Cancer discovery*, 15(5), 1063.