

Resource Summary Report

Generated by [RRID](#) on Aug 27, 2026

lentiMPH v2

RRID:Addgene_89308

Type: Plasmid

Proper Citation

RRID:Addgene_89308

Plasmid Information

URL: <http://www.addgene.org/89308>

Proper Citation: RRID:Addgene_89308

Insert Name: MS2-P65-HSF1_2A_Hygro

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:28333914](#)

Vector Backbone Description: Vector Backbone:plenti; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Plasmid Name: lentiMPH v2

Relevant Mutation: N55K in MS2

Record Creation Time: 20220422T222607+0000

Record Last Update: 20260815T082155+0000

Ratings and Alerts

No rating or validation information has been found for lentiMPH v2.

No alerts have been found for lentiMPH v2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 81 mentions in open access literature.

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

Choi AY, et al. (2026) A novel anti-CD20, concabody, enhances immunotherapy efficacy by targeting MPZL1 and augmenting antibody-induced cell death. *Frontiers in oncology*, 16, 1748576.

Qi S, et al. (2026) CENPF Overexpression Induced by HBV Infection Facilitates the G1/S Cell Cycle Transition of Hepatocellular Carcinoma Cells via MYC Pathway. *Journal of hepatocellular carcinoma*, 13, 580622.

Jiang Y, et al. (2026) The castration-resistant prostate cancer-associated SNP rs11067228 facilitates neuroendocrine differentiation through an enhancer-mediated chromatin interaction with SRRM4. *International journal of biological sciences*, 22(3), 1440.

Li Q, et al. (2026) A CRISPR activation screen identifies SPART as a pan-orthoflavivirus restriction factor. *Cell host & microbe*, 34(6), 1082.

Liang Z, et al. (2025) Cytotoxicity of activator expression in CRISPR-based transcriptional activation systems. *Nature communications*, 16(1), 8071.

Zhou J, et al. (2025) A methyl-to-acetyl switch in H3K27 drives metabolic reprogramming and resistance to BRAFV600E inhibition in melanoma. *Neoplasia (New York, N.Y.)*, 68, 101223.

Ashraf S, et al. (2025) Reversion of passaged nucleus pulposus cells to notochordal-type cells by FoxA2 upregulation. *NPJ Regenerative medicine*, 10(1), 49.

Tan JME, et al. (2025) PRDM16 controls smooth muscle cell fate in atherosclerosis. *bioRxiv : the preprint server for biology*.

Wu Y, et al. (2025) Leveraging CRISPR activation for rapid assessment of gene editing products in human pluripotent stem cells. *Stem cell reports*, 20(6), 102499.

Zeng C, et al. (2025) PIM3-mediated phosphorylation stabilizes myeloid leukemia factor 2 to promote metastasis in osteosarcoma. *The Journal of clinical investigation*, 135(20).

Watanabe H, et al. (2025) Lethal co-expression intolerance underlies the mutually exclusive expression of ASCL1 and NEUROD1 in SCLC cells. *NPJ precision oncology*, 9(1), 74.

Tan JME, et al. (2025) PRDM16 regulates smooth muscle cell identity and atherosclerotic plaque composition. *Nature cardiovascular research*, 4(11), 1573.

Han C, et al. (2025) An Isoform-Specific RUNX1C-BTG2 Axis Governs AML Quiescence and Chemoresistance. *Blood cancer discovery*, 6(5), 464.

Su G, et al. (2025) Klf5-adjacent super-enhancer functions as a 3D genome structure-dependent transcriptional driver to safeguard ESC identity. *Nature communications*, 16(1), 5540.

Wang S, et al. (2025) Zika virus non-structural protein NS2A mediated endoplasmic reticulum stress through interacting with Sarco/endoplasmic reticulum Ca^{2+} -ATPase 2. *Journal of virology*, 99(7), e0040525.

Yamamoto A, et al. (2025) Modified screening of MYC promotor region elements using the CRISPR library in ovarian cancer. *Journal of ovarian research*, 18(1), 68.

Zhang W, et al. (2025) Family with sequence similarity 114 member A1 orchestrates immune evasion in triple-negative breast cancer. *Signal transduction and targeted therapy*, 10(1), 373.

Weng L, et al. (2024) Surplus fatty acid synthesis increases oxidative stress in adipocytes and Induces lipodystrophy. *Nature communications*, 15(1), 133.

Dai J, et al. (2024) Tracing back primed resistance in cancer via sister cells. *Nature communications*, 15(1), 1158.

Liu W, et al. (2024) PPM1G Inhibits Epithelial-Mesenchymal Transition in Cholangiocarcinoma by Catalyzing TET1 Dephosphorylation for Destabilization to Impair Its Targeted Demethylation of the CLDN3 Promoter. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 11(47), e2407323.