

Resource Summary Report

Generated by [dkNET](#) on Aug 10, 2026

HA-HIF1alpha P402A/P564A-pcDNA3

RRID:Addgene_18955

Type: Plasmid

Proper Citation

RRID:Addgene_18955

Plasmid Information

URL: <http://www.addgene.org/18955>

Proper Citation: RRID:Addgene_18955

Insert Name: Hypoxia inducible factor 1 alpha

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:17220275](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5433; Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: HA-HIF1alpha P402A/P564A-pcDNA3

Relevant Mutation: cDNA changed amino acids: Proline 402 to Alanine Proline 564 to Alanine

Record Creation Time: 20220422T222043+0000

Record Last Update: 20260808T081347+0000

Ratings and Alerts

No rating or validation information has been found for HA-HIF1alpha P402A/P564A-pcDNA3.

No alerts have been found for HA-HIF1alpha P402A/P564A-pcDNA3.

Data and Source Information

Usage and Citation Metrics

We found 53 mentions in open access literature.

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

Khan H, et al. (2026) The pyruvate branch point controls lymphoid cancer cell dissemination. bioRxiv : the preprint server for biology.

Couteaudier M, et al. (2025) Hypoxia-inducible factor 2 triggers the production of highly infectious native-like hepatitis C virus particles. Cellular and molecular life sciences : CMLS, 82(1), 241.

Elhamamsy A, et al. (2025) Hypoxic stress incites HIF1 α -driven ribosome biogenesis that can be exploited by targeting RNA Polymerase I. Nature communications, 16(1), 8018.

Park HK, et al. (2025) Pseudohypoxic stabilization of HIF1 α via cyclophilin D suppression promotes melanoma metastasis. Signal transduction and targeted therapy, 10(1), 231.

Jiao M, et al. (2024) VHL loss enhances antitumor immunity by activating the anti-viral DNA-sensing pathway. iScience, 27(7), 110285.

Saha P, et al. (2023) Hypoxia-inducible factor 1- α enhances the secretome to rejuvenate adult cardiosphere-derived cells. The Journal of thoracic and cardiovascular surgery, 165(2), e56.

Wu Y, et al. (2022) Endothelial PPAR γ facilitates the post-ischemic vascular repair through interaction with HIF1 α . Theranostics, 12(4), 1855.

Chao HH, et al. (2022) Regulatory mechanisms and function of hypoxia-induced long noncoding RNA NDRG1-OT1 in breast cancer cells. Cell death & disease, 13(9), 807.

Rouger-Gaudichon J, et al. (2022) Hypoxia regulates CD9 expression and dissemination of B lymphoblasts. Leukemia research, 123, 106964.

Muñiz-García A, et al. (2022) Hypoxia-induced HIF1 α activation regulates small extracellular vesicle release in human embryonic kidney cells. Scientific reports, 12(1), 1443.

Medeiros PJ, et al. (2022) Expression of hypoxia inducible factor-dependent neuropeptide Y receptors Y1 and Y5 sensitizes hypoxic cells to NPY stimulation. The Journal of biological chemistry, 298(3), 101645.

García García CJ, et al. (2021) HIF2 Regulates Intestinal Wnt5a Expression. Frontiers in oncology, 11, 769385.

Shih CH, et al. (2021) Hypoxia-Induced MALAT1 Promotes the Proliferation and Migration of Breast Cancer Cells by Sponging MiR-3064-5p. Frontiers in oncology, 11, 658151.

Li ZL, et al. (2021) HIF-1 α -modulated HIF-1 α C-TAD promotes acute kidney injury to chronic kidney disease progression via regulating KLF5 signaling. *Acta pharmacologica Sinica*, 42(12), 2106.

Riedl T, et al. (2021) Hypoxia-Inducible Factor 1 Alpha-Mediated RelB/APOBEC3B Down-regulation Allows Hepatitis B Virus Persistence. *Hepatology (Baltimore, Md.)*, 74(4), 1766.

Est-Witte SE, et al. (2020) Non-viral gene delivery of HIF-1 α promotes angiogenesis in human adipose-derived stem cells. *Acta biomaterialia*, 113, 279.

Jin X, et al. (2020) Enhancer-bound Nrf2 licenses HIF-1 α transcription under hypoxia to promote cisplatin resistance in hepatocellular carcinoma cells. *Aging*, 13(1), 364.

Evangelou SL, et al. (2020) DEAD Box Protein Family Member DDX28 Is a Negative Regulator of Hypoxia-Inducible Factor 2 α - and Eukaryotic Initiation Factor 4E2-Directed Hypoxic Translation. *Molecular and cellular biology*, 40(6).

Wang X, et al. (2019) Macrophage-Specific Hypoxia-Inducible Factor-1 α Contributes to Impaired Autophagic Flux in Nonalcoholic Steatohepatitis. *Hepatology (Baltimore, Md.)*, 69(2), 545.

Khan H, et al. (2019) Metabolic Rewiring in Response to Biguanides Is Mediated by mROS/HIF-1 α in Malignant Lymphocytes. *Cell reports*, 29(10), 3009.