

Resource Summary Report

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

HA-HIF1alpha P402A/P564A-pBabe-puro

RRID:Addgene_19005

Type: Plasmid

Proper Citation

RRID:Addgene_19005

Plasmid Information

URL: <http://www.addgene.org/19005>

Proper Citation: RRID:Addgene_19005

Insert Name: Hypoxia inducible factor 1 alpha

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:17220275](#)

Vector Backbone Description: Backbone Size:5188; Vector Backbone:pBabe-puro; Vector Types:Mammalian Expression, Retroviral; Bacterial Resistance:Ampicillin

Plasmid Name: HA-HIF1alpha P402A/P564A-pBabe-puro

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

Record Creation Time: 20220422T222043+0000

Record Last Update: 20260815T081141+0000

Ratings and Alerts

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

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

Data and Source Information

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Avinery L, et al. (2026) Hypoxic conditions confer chemoresistance to crizotinib but not to imatinib in chronic myeloid leukemia cells. *Hematology, transfusion and cell therapy*, 48(2), 106240.

Kakani P, et al. (2024) Hypoxia-induced CTCF promotes EMT in breast cancer. *Cell reports*, 43(7), 114367.

Masgras I, et al. (2022) Tumor growth of neurofibromin-deficient cells is driven by decreased respiration and hampered by NAD⁺ and SIRT3. *Cell death and differentiation*, 29(10), 1996.

Gao G, et al. (2021) Sodium vitamin C transporter 2 orchestrates lactate metabolism in mouse Sertoli cells. *Journal of molecular endocrinology*, 66(2), 157.

Dizin E, et al. (2021) Activation of the Hypoxia-Inducible Factor Pathway Inhibits Epithelial Sodium Channel-Mediated Sodium Transport in Collecting Duct Principal Cells. *Journal of the American Society of Nephrology : JASN*, 32(12), 3130.

Zhang S, et al. (2020) MicroRNA-574-5p in gastric cancer cells promotes angiogenesis by targeting protein tyrosine phosphatase non-receptor type 3 (PTPN3). *Gene*, 733, 144383.

Shao S, et al. (2020) Metformin suppresses HIF-1 α expression in cancer-associated fibroblasts to prevent tumor-stromal cross talk in breast cancer. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 34(8), 10860.

Wang M, et al. (2020) Hydrogen sulfide modulates epithelial-mesenchymal transition and angiogenesis in non-small cell lung cancer via HIF-1 α activation. *Biochemical pharmacology*, 172, 113775.

Liu M, et al. (2019) Sox17 is required for endothelial regeneration following inflammation-induced vascular injury. *Nature communications*, 10(1), 2126.

Kuang Y, et al. (2018) Oxaloacetate induces apoptosis in HepG2 cells via inhibition of glycolysis. *Cancer medicine*, 7(4), 1416.

Voss DM, et al. (2017) Disruption of the monocarboxylate transporter-4-basigin interaction inhibits the hypoxic response, proliferation, and tumor progression. *Scientific reports*, 7(1), 4292.

Tosatto A, et al. (2016) The mitochondrial calcium uniporter regulates breast cancer progression via HIF-1 α . *EMBO molecular medicine*, 8(5), 569.

Sperber H, et al. (2015) The metabolome regulates the epigenetic landscape during naive-to-primed human embryonic stem cell transition. *Nature cell biology*, 17(12), 1523.

Mathieu J, et al. (2014) Hypoxia-inducible factors have distinct and stage-specific roles during reprogramming of human cells to pluripotency. *Cell stem cell*, 14(5), 592.

Vindrieux D, et al. (2014) Repression of PLA2R1 by c-MYC and HIF-2alpha promotes cancer growth. *Oncotarget*, 5(4), 1004.

Onnis B, et al. (2013) Autocrine production of IL-11 mediates tumorigenicity in hypoxic cancer cells. *The Journal of clinical investigation*, 123(4), 1615.

Gomes AP, et al. (2013) Declining NAD(+) induces a pseudohypoxic state disrupting nuclear-mitochondrial communication during aging. *Cell*, 155(7), 1624.

Mak P, et al. (2013) Estrogen receptor α sustains epithelial differentiation by regulating prolyl hydroxylase 2 transcription. *Proceedings of the National Academy of Sciences of the United States of America*, 110(12), 4708.

Zhou W, et al. (2012) HIF1 α induced switch from bivalent to exclusively glycolytic metabolism during ESC-to-EpiSC/hESC transition. *The EMBO journal*, 31(9), 2103.

Gardner S, et al. (2012) Defining Akt actions in muscle differentiation. *American journal of physiology. Cell physiology*, 303(12), C1292.