

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

1319 pcDNA3 flag FKHRL1 AAA

RRID:Addgene_10709

Type: Plasmid

Proper Citation

RRID:Addgene_10709

Plasmid Information

URL: <http://www.addgene.org/10709>

Proper Citation: RRID:Addgene_10709

Insert Name: FKHRL1 AAA

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:12150827](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5446; Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: 1319 pcDNA3 flag FKHRL1 AAA

Relevant Mutation: AAA mutant (see map) - T32A, S253A, S315A

Record Creation Time: 20220422T221519+0000

Record Last Update: 20260808T080354+0000

Ratings and Alerts

No rating or validation information has been found for 1319 pcDNA3 flag FKHRL1 AAA.

No alerts have been found for 1319 pcDNA3 flag FKHRL1 AAA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Ricci E, et al. (2022) FoxO3a Inhibits Tamoxifen-Resistant Breast Cancer Progression by Inducing Integrin $\alpha 5$ Expression. *Cancers*, 14(1).

Emery A, et al. (2021) Target identification for small-molecule discovery in the FOXO3a tumor-suppressor pathway using a biodiverse peptide library. *Cell chemical biology*, 28(11), 1602.

Castillejo Becerra CM, et al. (2018) DNA methylation and FoxO3a regulate PHLPP1 expression in chondrocytes. *Journal of cellular biochemistry*, 119(9), 7470.

Damrauer JS, et al. (2018) Foxo-dependent Par-4 Upregulation Prevents Long-term Survival of Residual Cells Following PI3K-Akt Inhibition. *Molecular cancer research : MCR*, 16(4), 599.

Jain N, et al. (2016) FoxO3a-mediated autophagy is down-regulated in the laforin deficient mice, an animal model for Lafora progressive myoclonus epilepsy. *Biochemical and biophysical research communications*, 474(2), 321.

Huang K, et al. (2015) SIRT1 and FOXO Mediate Contractile Differentiation of Vascular Smooth Muscle Cells under Cyclic Stretch. *Cellular physiology and biochemistry : international journal of experimental cellular physiology, biochemistry, and pharmacology*, 37(5), 1817.

Akasaki Y, et al. (2014) FoxO transcription factors support oxidative stress resistance in human chondrocytes. *Arthritis & rheumatology (Hoboken, N.J.)*, 66(12), 3349.

Glorieux C, et al. (2014) Catalase expression in MCF-7 breast cancer cells is mainly controlled by PI3K/Akt/mTor signaling pathway. *Biochemical pharmacology*, 89(2), 217.

Sisci D, et al. (2013) The estrogen receptor α is the key regulator of the bifunctional role of FoxO3a transcription factor in breast cancer motility and invasiveness. *Cell cycle (Georgetown, Tex.)*, 12(21), 3405.

Wang FM, et al. (2013) Measles virus nucleocapsid protein, a key contributor to Paget's disease, increases IL-6 expression via down-regulation of FoxO3/Sirt1 signaling. *Bone*, 53(1), 269.

Terragni J, et al. (2008) Phosphatidylinositol 3-kinase signaling in proliferating cells maintains an anti-apoptotic transcriptional program mediated by inhibition of FOXO and non-canonical activation of NF κ B transcription factors. *BMC cell biology*, 9, 6.